

R E P O R T

*Pre-Design Investigation Report for
Hill 78 Area-Remainder*

Volume I of II

**General Electric Company
Pittsfield, Massachusetts**

September 2005





GE
159 Plastics Avenue
Pittsfield, MA 01201
USA

Transmitted via Overnight Delivery

September 7, 2005

Ms. Sharon Hayes
U.S. Environmental Protection Agency
EPA New England
One Congress Street, Suite 1100
Boston, Massachusetts 02114-2023

**Re: GE-Pittsfield/Housatonic River Site
Hill 78 Area-Remainder (GECD160)
Pre-Design Investigation Report**

Dear Ms. Hayes:

In accordance with the General Electric Company's *Pre-Design Investigation Work Plan for Hill 78 Area-Remainder* (February 2004), as conditionally approved by EPA's letter dated July 22, 2004, and *Addendum to Pre-Design Investigation Work Plan* (August 2004), as approved by EPA's letter dated September 8, 2004, enclosed is GE's *Pre-Design Investigation Report for Hill 78 Area-Remainder*. Please be advised that, due to technical difficulties, 23 soil boring logs have been omitted from Appendix A in the enclosed report and will be submitted under separate cover shortly.

Please call Andrew Silfer or me if you have any questions about this report.

Sincerely,

John F. Novotny, P.E.
Manager – Facilities and Brownfields Programs

Enclosure

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1. Introduction

1.1 General

On October 27, 2000, a Consent Decree (CD) executed in 1999 by the General Electric Company (GE), the United States Environmental Protection Agency (EPA), the Massachusetts Department of Environmental Protection (MDEP), and several other government agencies was entered by the United States District Court for the District of Massachusetts. The CD requires (among other things) the performance of response actions to address polychlorinated biphenyls (PCBs) and other constituents listed in Appendix IX of 40 CFR Part 264, plus benzidine, 2-chloroethylvinyl ether, and 1,2-diphenylhydrazine (Appendix IX+3), in soils, sediment, and groundwater in several Removal Action Areas (RAAs) located in or near Pittsfield, Massachusetts. These RAAs are part of the GE-Pittsfield/Housatonic River Site (the Site). For each Removal Action, the CD and accompanying *Statement of Work for Removal Actions Outside the River* (SOW) (Appendix E to the CD) establish Performance Standards that must be achieved, as well as specific work plans and other documents that must be prepared to support the response actions for each RAA. These work plans/documents typically include a Pre-Design Investigation Work Plan, a Pre-Design Investigation Report, a Conceptual Removal Design/Removal Action (RD/RA) Work Plan, and a Final RD/RA Work Plan.

This document constitutes GE's *Pre-Design Investigation Report for Hill 78 Area-Remainder* (PDI Report). For Hill 78 Area-Remainder, this PDI Report summarizes the pre-design soil investigations required by the CD and SOW and performed by GE to support the future evaluation and design of soil-related response actions. The results of the pre-design investigations for Hill 78 Area-Remainder, in combination with usable soil information from prior investigations within this RAA, will be used to support the development of a Conceptual RD/RA Work Plan for the Removal Action.

The pre-design investigation activities for Hill 78 Area-Remainder were performed in accordance with the documents entitled *Pre-Design Investigation Work Plan for Hill 78 Area-Remainder* (PDI Work Plan), dated February 2004, and Addendum to Pre-Design Investigation Work Plan (PDI Work Plan Addendum), dated August 19, 2004. The PDI Work Plan was conditionally approved by EPA in a letter dated July 22, 2004, while the addendum was approved by the EPA in a letter dated September 8, 2004. The field investigations described in the PDI Work Plan, as modified by EPA's July 22, 2004 conditional approval letter and the PDI Work Plan Addendum, were conducted by GE between October 2004 and February 2005.

In addition to the recent pre-design soil data collected by GE, certain other soil data are available to characterize the site and incorporate into future RD/RA evaluations. Specifically, during preparation of the PDI Work Plan, an assessment of existing soil data was performed. From that assessment, it was determined that certain existing data could be used to satisfy pre-design investigation requirements for this area and/or to support future RD/RA evaluations. These usable data were compiled in the PDI Work Plan and have also been included in this PDI Report.

In total, the soil data available to characterize Hill 78 Area-Remainder soils and support future RD/RA evaluations include results from approximately 720 soil samples collected from approximately 225 locations. Depending on the specific sample location and depth, these sampling data include results for PCBs and/or other Appendix IX+3 constituents, excluding pesticides and herbicides.

Although the CD and SOW establish Performance Standards for response actions relating to soil, groundwater, and non-aqueous-phase liquid (NAPL), this PDI Report addresses only soils. Response actions related to groundwater and NAPL at Hill 78 Area-Remainder are being addressed separately as part of activities for the Plant Site 3 Groundwater Management Area (GMA 4) pursuant to the CD and SOW. At the present time, these activities consist of the performance of a groundwater monitoring program in accordance with GE's *Baseline Monitoring Program Proposal for Plant Site 3 Groundwater Management Area* (April 2001), as modified by subsequent groundwater monitoring reports submitted to the EPA.

In addition to summarizing the results of the pre-design soil investigations, this report provides an assessment regarding the sufficiency of the available soil data to (1) satisfy the requirements for pre-design investigations, and (2) support the design and evaluation of response actions for the Hill 78 Area-Remainder Removal Action. For the most part, the results of the recent pre-design activities (including the information obtained from prior investigations at this RAA) are sufficient to characterize the soils within Hill 78 Area-Remainder, and thus to support future RD/RA evaluations. However, as discussed in this PDI Report, some limited additional soil investigations are proposed to further characterize existing soil conditions and/or to support future RD/RA activities. In addition, the development of more detailed site mapping for Hill 78 Area-Remainder will be necessary to support future RD/RA activities.

1.2 Format of Document

This PDI Report is presented in three sections. The remainder of Section 1 provides a general description of Hill 78 Area-Remainder. Section 2 describes the recent pre-design investigations conducted by GE, provides an overview of the available soil data from this area, and presents an assessment of remaining pre-design data needs. Section 3 presents a proposal for the additional sampling and other RD/RA-related activities, as well as a proposed schedule for the implementation of these activities.

1.3 Description of Hill 78 Area-Remainder

Hill 78 Area-Remainder occupies an area of approximately 40 acres in the central to eastern portion of the GE Plant Area in Pittsfield (Figure 1). This area is generally bounded by Tyler Street Extension on the north, New York Avenue to the west, a parking lot for the adjacent General Dynamics facility to the east (which is part of the Unkamet Brook RAA), and Merrill Road to the south. Excluded from the RAA are the Hill 78 Consolidation Area and the Building 71 Consolidation Area and related stormwater retention basins as discussed further below. These contiguous consolidation areas (OPCAS) are not part of Hill 78 Area-Remainder. Under the SOW, a small area to the north of the Tyler Street Extension was originally included in Hill Street 78 Area-Remainder. This area, however, has been remediated in conjunction with the Allendale School RAA and is not discussed further in the PDI Work Plan or this report.

Hill 78 Area-Remainder is located outside of the 100-year floodplain of the Housatonic River, Silver Lake, and Unkamet Brook. The area is comprised of the GE-owned tax parcels K11-7-2 and K11-7-201, and a single non-GE-owned tax parcel (Parcel K11-7-1) located in the southwest portion of the RAA along Merrill Road. This parcel is owned by Pittsfield Generating Company, L.P. (“PGC”), which also operates the generating facility on GE-owned Parcel K11-7-201. The Tyler Street Extension is also owned by GE. As presented in the CD and SOW, all of Hill 78 Area-Remainder is considered a “commercial/industrial” area. With the exception of Building 78 (Building 78 is the hazardous waste storage facility within the GE plant) and the PGC generating facility, and paved roadways and parking lots associated with those facilities, the remaining areas of Hill 78 Area-Remainder are generally open.

A portion of Hill 78-Remainder Area (on the northeast corner of New York and Merrill Road) is presently being used to backfill clean soils. In order to be placed in this area, materials must meet the following requirements:

(1) PCB concentration of less than 1 part per million, (2) no observed free oil product, (3) no volatile organic compounds above 10 PID units (based on field PID screening), and (4) no concentrations of other hazardous constituents (if analyzed for; the MCP Method 1 S-1 Standards are used to gauge acceptance with this criterion). The area generally occupied by soil backfill is shown on the Figure 3. GE stated in the PDI Work Plan that its present intention for the future use of the soil present in that area was as fill in its current location, i.e., that the fill will remain in its current location permanently. As proposed in the PDI Work Plan, GE collected soil samples from this area as it did in the remainder of the RAA. As described in Section 2.1.4 of the SOW, this area has also been selected for possible future use as an on-site consolidation area, as shown on Figure 2. If GE changes its intended use of that area, GE will evaluate whether any additional sampling in that area is necessary and will present to EPA that evaluation and a proposal for any additional sampling that may be required.

As the area of the OPCAs are carved out from the outer boundaries of Hill 78 Area-Remainder, the presence of the OPCAs affects the interior boundaries of this RAA. Upon completion, the final cover for the Hill 78 OPCA will encompass an area of approximately 6.2 acres of the northern, central section of the site along Tyler Street. The Building 71 OPCA lies directly east and adjacent to this area, and the final cover will occupy an area of approximately 5.5 acres. These two OPCAs are being and will continue to be used by GE and EPA for the permanent consolidation of materials (soil, sediment, demolition debris, etc.) removed during response actions and building demolition activities conducted at the GE plant and several other areas around Pittsfield that are included within the GE-Pittsfield/Housatonic River Site. As noted above, these OPCAs are not included in Hill 78 Area-Remainder and are not addressed in this PDI Report except insofar as their boundaries affect the interior boundaries of this RAA.

In addition, two other matters related to the OPCAs affect the overall footprint of the OPCAs, and, therefore, the areas carved out from Hill 78 Area-Remainder. First, as part of the overall stormwater management system for the OPCAs, two stormwater drainage basins were constructed adjacent to the OPCAs, as illustrated on Figure 2. Soil samples were collected and analyzed from within the footprints of these basins as part of their design. Accordingly, pursuant to the approved PDI Work Plan Addendum, the boundary of the Hill 78 Area-Remainder RAA has been modified in the vicinity of the OPCAs to reflect the fact that two existing storm water retention basins are considered part of the OPCAs and therefore are not part of Hill 78 Area-Remainder. Therefore, with concurrence from EPA, the stormwater basins were not subject to Hill 78 Area-Remainder pre-design investigations.

Second, in several OPCA-related correspondences between 1999 and 2000, EPA and GE jointly developed and agreed to a scope of work for a geophysical survey related to the Hill 78 OPCA. In general, the geophysical survey focused on two areas of the Hill 78 OPCA: (1) portions of the outer perimeter associated with the anticipated final Hill 78 OPCA configuration, and (2) the area of existing monitoring well H78B-8R, where non-aqueous phase liquid (NAPL) had been observed. Depending on the results of the geophysical survey (i.e., if subsurface anomalies were observed), several potential follow-up actions were identified including additional geophysical surveys, performance of subsurface soil explorations and/or monitoring well installations, or extension of the final OPCA cover system over the area in question. GE initiated survey activities in November 2001, and a supplemental geophysical survey was performed in April 2002. Based on the results of the surveys, GE elected, consistent with the options that had been previously documented, to expand the limits of the final Hill 78 OPCA cover system to include the areas where subsurface anomalies were identified. Specifically, GE proposed to extend the anticipated southwestern edge of the final Hill 78 OPCA in a southwesterly direction to address four of the five anomalies observed during the geophysical surveys (the fifth anomaly was located within an area already subject to the installation of a final OPCA cap). Based on the decision to extend the OPCA cover system, the areas beneath the extended cover are designated as part of the OPCAs; therefore, they are not part of Hill 78 Area-Remainder. In the PDI Work Plan, GE proposed that the extension of the OPCA cover system should constitute a final response to the physical anomalies and that no additional geophysical surveys or intrusive investigations be conducted in the areas subject to the extended cover. EPA approved that proposal as part of the PDI Work Plan. GE did, however, propose pre-design investigation borings at locations within Hill 78 Area-Remainder downgradient of these anomalies.

2. Summary of Pre-Design Investigations

2.1 General

The soil data available to characterize soils and support future RD/RA evaluations within Hill 78 Area-Remainder originate from several different sources and sampling events, including the recent pre-design sampling and analysis and historical sampling conducted by GE. This section summarizes the available soil data set. The sampling activities conducted as part of the recent pre-design investigations are summarized in Sections 2.2 through 2.4, while a summary of the available data is presented in Section 2.5 and the tables and appendices that accompany this report. Finally, based on the current data, Section 2.6 assesses whether any additional or remaining data are needed to satisfy pre-design investigation requirements or to support detailed RD/RA evaluations.

2.2 Summary of Pre-Design Investigations

The pre-design investigations were conducted between October 20, 2004 and February 4, 2005 by Blasland, Bouck & Lee, Inc. (BBL) in accordance with GE's approved *Field Sampling Plan/Quality Assurance Project Plan* (FSP/QAPP). Analytical services were provided by SGS Environmental Services, Inc. While performing these activities, Weston Solutions, Inc. (Weston) performed oversight activities on behalf of EPA.

In total, the pre-design soil sampling effort involved the collection and analysis of approximately 310 soil samples from approximately 115 locations. The sample locations are identified on Figure 3 (for PCB samples) and Figures 4 through 6 (for samples analyzed for other Appendix IX+3 constituents). Usable historical sample locations previously collected by GE are also shown on these figures.

With certain limited exceptions (discussed below), the sample locations, frequencies, depths, and analytes associated with the pre-design investigations were consistent with the EPA-approved PDI Work Plan. Soil boring logs are provided in Appendix A to this report.

Soil samples collected by GE for PCB analysis during the pre-design investigation were analyzed for Aroclor-specific PCBs by EPA Method 8082. The PCB results were reported on a dry-weight basis with a detection limit of approximately 0.05 ppm for all Aroclors. Select GE soil samples were also analyzed for Appendix IX+3 constituents (excluding pesticides and herbicides), utilizing methods and reporting limits consistent with those presented in the FSP/QAPP.

2.3 Modifications to Pre-Design Sampling Program

During performance of the pre-design soil investigations, several modifications to the sampling program presented in the EPA-approved PDI Work Plan were implemented at the time of sampling and with concurrence from EPA's on-site representative.

At five locations (RAA9-H6, RAA9-H15, RAA9-K4, RAA9-M6, and RAA9-N5), several attempts were made to advance a soil boring to the proposed depth of 15 feet, including multiple attempts at the original location and attempts to advance a boring at nearby offset locations. However, refusal was encountered at 10, 6, 8, 10, and 6 feet below ground surface (bgs), respectively, so that not all of the intended pre-design soil samples could be collected. Based on the above refusals, the proposed samples (PCBs at each location and Appendix IX+3 at RAA9-H15) could not be collected from a portion of the 6- to 15-foot depth interval, as proposed in the PDI Work Plan. In Section 2.6.1, GE evaluates whether its inability to obtain these samples creates a data need and makes a proposal concerning additional sampling.

Sample locations RAA9-H16, RAA9-L18, and RAA9-L19 were located in or near transformer areas at the PGC facility or in close proximity to underground utilities which prevented access or safety concerns at the proposed locations. Therefore, the locations were shifted less than 25 feet from their proposed locations. Sample location RAA9-J14 fell within a transformer area at PGC and was therefore shifted approximately 60 feet to the east from its proposed location in the PDI Work Plan.

2.4 Summary of Available Soil Data

For Hill 78 Area-Remainder, the soil data available to characterize existing soil conditions and support future RD/RA evaluations include the results of GE's recent pre-design investigations, as well as soil data available

from prior investigations. The PDI Work Plan provides a summary of the prior investigations performed by GE for this area. The following table summarizes the current soil data set (not including QA/QC analyses) for several constituent groups:

Analytical Parameter	GE Pre-Design Analyses	GE Historical Analyses	Total Analyses
PCBs	305	408	713
VOCs	107	27	134
SVOCs	107	29	136
PCDDs/PCDFs	117	24	141
Inorganics	107	26	133

The locations where the soil samples were collected for PCB analysis are shown on Figure 3. Figures 4 through 6 show the location of the soil samples collected for Appendix IX+3 analyses for the 0- to 1-foot, 1- to 6-foot, and 6- to 15-foot depth intervals, respectively.

The analytical results for soil samples collected by GE are provided in Tables 1 through 4. Tables 1 and 2 provide the results of GE's recent pre-design investigations for PCBs and other Appendix IX+3 constituents, respectively; while historical soil data are summarized in Tables 3 and 4 for PCBs and other Appendix IX+3 constituents, respectively. The tables that present Appendix IX+3 data only summarize the results for constituents that were detected in one or more samples. A complete listing of the Appendix IX+3 laboratory results is included in Appendix B (Tables B-1 through B-3).

2.5 Data Quality Assessment

For the pre-design activities, quality control samples (i.e., matrix spike/matrix spike duplicates, field duplicates, and field blanks) were collected in accordance with the FSP/QAPP. The FSP/QAPP also presents the quality control criteria and corrective action procedures to be followed for each analytical and field-generated quality control sample. Overall project quality assurance was provided by following the procedures for sample collection and analysis, corrective action, and data reporting and validation specified in the FSP/QAPP.

All of the GE pre-design soil analytical data have undergone data review validation in accordance with Section 7.5 of the FSP/QAPP. The results of this data validation are presented in Appendix C. As discussed in that report, greater than 99% of the GE pre-design data are considered to be usable, which is greater than the

minimum required usability of 90% as specified in the FSP/QAPP. All of the analytical results for PCDDs/PCDFs, cyanide and sulfide, and semi-volatile organic compound (SVOC) were found to be usable, while greater than 99% of the PCBs, inorganic constituents and volatile organic compound (VOC) results were of acceptable quality. Thus, the pre-design soil data set meets the data quality objectives set forth in the PDI Work Plan and the FSP/QAPP.

With respect to the other sources of soil data, the historical soil data were previously reviewed in the PDI Work Plan for overall quality and usability, based on the accompanying laboratory documentation (where available). Only those data determined in the PDI Work Plan to be of acceptable quality have been included in this PDI Report.

2.6 Assessment of Potential Data Needs

In accordance with Section 3.2 of the SOW, the PDI Report is required to consider the sufficiency of the available data to support subsequent RD/RA activities, and whether any additional or remaining pre-design data are needed. If additional data are needed, the PDI Report is to include a proposal for further studies/investigations, as well as a schedule for such activities and for the submission of any supplemental pre-design reports.

2.6.1 Pre-Design Investigations

With respect to the requirements for pre-design soil investigations, the pre-design soil investigations summarized in Section 2.4 of this report were generally consistent with the EPA-approved PDI Work Plan and PDI Work Plan Addendum, with only minor deviations. In addition, the results of data validation (Section 2.5) indicate that the pre-design data are sufficient to characterize the site and support future evaluations. There is, however, a data need to complete the pre-design investigation, for the collection of additional samples to replace certain samples at which refusal was hit. In addition, GE has performed a required evaluation of the sufficiency of the data collected up to the present time in the area of the existing parking lot located in the southeast corner of the RAA.

Additional PCB Sampling in Areas Subject to Refusal

As discussed above in Section 2.3, after several attempts were made to advance a soil boring to the proposed depth of 15 feet, including multiple attempts at the original location and attempts to advance a boring at nearby offset locations, refusal was met at five locations (RAA9-H6, RAA9-H15, RAA9-K4, RAA9-M6, and RAA9-N5). Refusal was encountered at approximately 10, 6, 8, 10, and 6 feet, respectively. GE has therefore conducted an evaluation of the need to collect additional samples from these locations.

For the 6- to 15- foot depth interval at RAA9-H6 and RAA9-H15, both of these samples are located in areas with considerable PCB sampling. When reviewing the available PCB data collected from shallower depths at these locations, as well as data collected from adjacent locations, there is no indication that PCBs would be detected at significant levels. PCB concentrations at location RAA9-H6 itself were 0.31 ppm (with a duplicate of 0.43 ppm) at the 0- to 1-foot depth increment, 0.61 ppm at the 1- to 6-foot depth increment, and non-detect at the 6- to 10-foot depth increment. At location RAA9-H15, PCB concentrations were 0.12 ppm at both the 0- to 1-foot and 1- to 6-foot depth increments. PCB concentrations from the 6- to 15-foot depth increment at nearby locations were similarly low, as summarized in the following charts (see Figure 3 for sample locations):

Pre-Design Samples in Proximity to RAA9-H6 (6 to 15 feet)							
Sample ID	RAA9-F6	RAA9-G5	RAA9-H5	RAA9-H7	RAA9-I5	RAA9-I7	RAA9-H6
Sample Depth (ft)	6 to 15	6 to 15	6 to 15	6 to 15	6 to 15	6 to 15	6 to 10
PCB Result (ppm)	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.038)	0.12	ND(0.042)	ND(0.039)

Pre-Design Samples in Proximity to RAA9-H15 (6 to 15 feet)					
Sample ID	RAA9-F16	RAA9-G14	RAA9-G17	RAA9-H16	RAA9-H15
Sample Depth (ft)	6 to 15	6 to 15	6 to 15	6 to 15	6 to 10
PCB Result (ppm)	ND(0.038)	ND(0.036)	ND(0.037)	0.041J	0.12

At one location, RAA9-H15, analysis for Appendix IX+3 constituents was proposed for the 6- to 15-foot interval in the PDI Work Plan. This analysis was not performed due to refusal at this depth. However, analysis for Appendix IX+3 constituents was instead performed for the 1- to 6-foot depth interval at this location (based on the refusal at the deeper depth), which had not been proposed in the PDI Work Plan. Moreover, there is a nearby Appendix IX+3 sample from the 0- to 15-foot depth increment at location RAA9-H16. In that sample, almost all constituents are non-detect, and all detected constituents are below their respective Method 1 soil

standards. GE believes there is no reason to expect a significantly different result at the nearby RAA9-H15 and therefore no reason to continue sampling efforts at that location. In addition, there is adequate overall coverage of locations sampled for Appendix IX+3 constituents at Hill 78 Area-Remainder.

For the 6- to 15-foot depth interval at locations RAA9-K4, RAA9-M6, and RAA9-N5, GE made three attempts to collect the sample. After the initial attempt at the proposed location, two other attempts were made within 5 feet of the original location to collect a sample at this depth interval. Refusal was met at approximately 8, 10, and 6 feet, respectively, on all three attempts. Upon reviewing the available PCB data collected from shallower depths at these locations, as well as data collected from adjacent locations, there is indication that PCBs may be detected in the 6- to 15-foot depth interval. Therefore, GE proposes to return to these locations with more substantial sampling equipment (e.g., a truck mounted auger-based drill rig) to try to obtain samples at the 6- to 15-foot depth interval. If these attempts are unsuccessful, GE proposes additional samples at locations RAA9-K3.5, RAA9-M5.5, and RAA9-N4.5 to characterize PCBs in soils at the 6- to 15-foot depth interval. These locations are shown on Figure 3. Section 3.2 provides additional information related to the additional sample collection and reporting activities.

Parking Lot

In condition number 6 of EPA's July 22, 2004 conditional approval of the PDI Work Plan Addendum, EPA discussed the required characterization of the parking lot located in the southeast corner of the RAA. Since the pavement has deteriorated and contains several unpaved berms, EPA did not consider the area to be paved for the purposes of pre-design sampling. EPA identified three options to address this area:

- Sample the parking lot by applying a grid at the frequency required for "unpaved industrial GE-owned areas";
- Pave the non-bermed areas and add the following soil boring locations within the unpaved berms for PCB analysis from the appropriate intervals: RAA9-I22, RAA9-J20, RAA9-J22, and RAA9-K19; or
- Pave the entire parking lot area, including the unpaved berms, so that the sampling strategy as proposed in the PDI Work Plan is sufficient to address this paved area.

As an alternative to any of these options, however, EPA's conditional approval of the PDI Work Plan Addendum also allowed GE to investigate this area utilizing a phased approach. GE elected in the PDI Work Plan Addendum to pursue the phased approach. Specifically, as authorized by condition number 6 of EPA's July 22, 2004 conditional approval letter and the approved PDI Work Plan Addendum, GE sampled the parking lot area as proposed in the PDI Work Plan. That sampling involved the collection of 12 samples from 3 areas within the footprint of the parking lot.

Based on those results, as required by the PDI Work Plan Addendum, GE has now conducted an evaluation to determine whether remediation of this area and/or additional characterization activities are necessary, or, alternatively, if the preliminary data suggest that an alternate approach may be warranted. GE has reviewed the results of the samples collected up to the present time and, based on those samples, proposes an alternative approach. PCB concentrations in the soil at the parking lot range from non-detect to 0.314 ppm. The PCB concentrations near the parking lot were also low. For 10 of 11 samples collected near the parking lot, PCB concentrations range from non-detect to 2 ppm, while one sample had a concentration of 23 ppm. All of these results are below the Performance Standards for commercial/industrial areas with EREs (25 ppm in the top foot of soil in unpaved areas and in paved and unpaved areas together, 200 ppm in the 1- to 6-foot depth increment, and 100 ppm in the 0- to 15-foot depth increment), and the arithmetic average concentration of PCBs in the parking lot area in the appropriate depth increments (0.121 ppm for 0- to 1-foot, 0.085 ppm for 1- to 6-foot, and 0.071 ppm for 0- to 15-foot) are also well below the Performance Standards. Given the low PCB sample results, and the spatial distribution of the sampling locations, GE believes that the parking lot area is adequately characterized. Therefore, GE suggests that additional sample collection at the parking lot would serve no purpose and thus proposes no additional samples for the parking lot area.

2.6.2 Preliminary RD/RA Evaluations

Similar to the approach that has been taken at several other RAAs within the GE-Pittsfield/Housatonic River Site, GE has performed a preliminary assessment -- as part of its pre-design activities and in advance of any detailed RD/RA evaluations -- of the available site information to identify areas where remediation potentially may be needed to achieve the applicable Performance Standards. By preliminarily identifying such areas, GE may be able to evaluate whether additional data are likely to be necessary to support future RD/RA activities. This assessment was performed using arithmetic averaging of the data within each evaluation area (a reasonable screening approach given the relatively uniform distribution of the existing data).

PCBs

For PCBs, the results of the preliminary data assessment indicate that some remediation will be necessary to achieve the applicable Performance Standards. The available data set generally appears sufficient to identify the extent of such remediation.

However, review of the analytical results for certain sample locations indicates that PCB concentrations exceed 2 ppm in the 0- to 1-foot and 1- to 6-foot depth intervals for sample locations RAA9-L17 and RAA9-L19, in the 0- to 2-foot depth interval for location 78-4, and in the 0- to 1-foot interval for location H78SE-3. Thus, to determine the extent of PCBs toward the southern boundary of the RAA in the area of these samples, GE proposes to collect additional PCB soil samples at the following locations RAA9-X1 (0- to 1-foot depth interval), RAA9-X2 (0- to 1-foot and 1- to 6-foot depth interval), RAA9-X3 (0- to 1-foot and 1- to 6-foot depth interval), and RAA9-X4, (0- to 1-foot depth interval). Although the PCB concentration exceeded 2 ppm in the 1- to 6-foot depth interval at location RAA9-L19, GE is proposing to sample location RAA9-X4 only in the 0- to 1-foot due to the presence of a high pressure gas main in the vicinity of the proposed sample location. Although certain other samples along the west and north boundaries of this RAA exceed PCB concentrations of 2 ppm, GE does not propose further delineation along these boundaries because other RAAs within the GE Plant site are located adjacent to those boundaries of this RAA. GE's finding that no other PCB sampling is necessary will be confirmed once a detailed site map is available and the detailed RD/RA evaluations are performed.

Appendix IX+3 Constituents

For Appendix IX+3 constituents other than PCBs, the preliminary assessment was generally based on the procedures outlined in Technical Attachment F of the *Statement of Work for Remedial Actions Outside of the River* (SOW). This preliminary assessment did not incorporate the results of any potential remediation actions that may be necessary to achieve the applicable PCB Performance Standards. Any such remediation actions to address PCBs in soil will be incorporated into Appendix IX+3-related RD/RA evaluations to be presented in the Conceptual RD/RA Work Plan.

The initial step in the assessment involved a comparison of the maximum concentration of detected Appendix IX+3 constituents to its corresponding EPA Region 9 Preliminary Remediation Goal (PRG) (as set forth in Exhibit F-1 to Attachment F to the SOW) or other suitable surrogate PRG. This RAA consists of commercial/industrial areas as defined in the SOW. The maximum detected concentrations for

commercial/industrial areas were compared with industrial PRGs (as directed in Attachment F to the SOW). Note that a different method of PRG screening is followed for assessment of polychlorinated dibenzo-p-dioxins (PCDDs or dioxins) and polychlorinated dibenzofurans (PCDFs or furans). The process used for assessing dioxins/furans is discussed further below.

For those (non-PCB) Appendix IX+3 constituents other than dioxins/furans that were retained for further evaluation, the next step of the evaluation involved the calculation of arithmetic average concentrations for those constituents for each of the averaging areas and depth increments within the RAA. Those arithmetic average concentrations were then compared to the applicable Method 1 soil standards specified in the MCP. Consistent with the recent evaluations performed by GE with regard to other RAAs, MDEP's proposed MCP numerical standards (i.e., "Wave 2" Criteria; MDEP September 20, 2004, as amended May 26, 2005) are being used in comparisons made to Method 1 soil standards because it is anticipated that the Wave 2 standards will be finalized shortly, prior to submission of the Conceptual RD/RA Work Plan for this RAA and well before the time that the RD/RA activities are expected to be implemented (2006 construction season) at this RAA. If, as part of the performance of the final RD/RA evaluations, the average concentrations exceed their corresponding MCP Method 1 soil standards, the SOW allows for either the performance of remediation actions to achieve the MCP soil standards or the performance of an area-specific risk assessment.

GE's preliminary evaluations for non-PCB Appendix IX+3 constituents, as outlined above, showed that several constituents did exceed PRGs at different parcels. Consistent with the approach adopted at other RAAs, GE has screened out two constituents based on very low frequency of detection (1,2,3-trichloropropane, 1 sample of 77, and 3-methylcholanthrene, 1 sample of 44). Of the remaining constituents, the average concentrations of Appendix IX+3 constituents did not exceed their corresponding Wave 2 MCP Method 1 soil standards in any averaging area at this RAA.

The following procedure was used for assessing dioxins/furans. For each dioxin/furan sample, a total toxicity equivalent quotient (TEQ) concentration was calculated using World Health Organization (WHO) toxicity equivalency factors (TEFs), as specified in the SOW. In making these calculations, the concentrations of the individual dioxin/furan compounds that were not detected in a given sample were represented as one-half of the analytical detection limit for such compounds. Then, for each averaging area and relevant depth increment, the maximum TEQ concentration was compared to the applicable PRG identified in the SOW for that type of area and depth. For the commercial/industrial properties at this RAA, those PRGs are 5 parts per billion (ppb) for the top foot of soil and the 0- to 3-foot depth increment. The PRG for the 1- to 15-foot depth increment at the

commercial areas is 20 ppb. Performance of these preliminary evaluations determined that none of the maximum TEQ concentrations exceeded the applicable PRGs. Therefore, there was no need to calculate and compare 95% Upper Confidence Limits (95% UCLs) for TEQ concentrations to the applicable PRGs, and GE does not anticipate a need for remediation based on TEQ concentrations.

Thus, the results of the preliminary evaluations appear to indicate that remediation will not be necessary to achieve the applicable Performance Standards at Hill 78 Area-Remainder. Moreover, the available data set appears, as supplemented by the additional data proposed to be collected, to be sufficient to characterize the soil at each evaluation area within the RAA.

2.6.3 Utility Corridor Evaluations

For the various RAAs within the GE Pittsfield/Housatonic River Site, GE is required to evaluate PCBs in soils that are in close proximity to existing utilities that may be potentially subject to future emergency repair. Specifically, when existing utilities potentially subject to emergency repair are present and the spatial average PCB concentration in the utility corridor exceeds 200 ppm in the 1- to 6-foot depth interval (for the GE Plant Site), GE is required to evaluate whether additional response actions are necessary in that corridor.

In the PDI Work Plan, GE evaluated the locations of existing and proposed soil samples in relation to the known locations of existing subsurface utilities within Hill 78 Area-Remainder, consistent with the approach used at other RAAs in the GE Plant Area (i.e., to ensure the availability of PCB data within a 50-foot band centered along the utility line, at a linear spacing of approximately 100 to 150 feet, and to a depth of six feet). Utilities within Hill 78 Area-Remainder include electricity lines, storm drains, and water and sewer lines. Based on review of the available mapping (obtained from the City of Pittsfield), those subsurface utilities have been located and are illustrated on Figure 3. This information was utilized to locate samples such that sufficient PCB data will be available to represent the soil at the required intervals within these utility corridors. Condition number 5 of EPA's July 22, 2004 conditional approval letter required a change in one proposed location and the addition of several additional sample locations related to utility corridors. These changes were reflected in the PDI Work Plan Addendum. In addition, GE noted that it would continue to assess the possible existence of other active subsurface utilities, and this assessment may lead to modifications/additions to the program presented in the PDI Work Plan.

In 2004, several utilities were constructed in the parking lot area to service the storage building on the north side of the parking lot area. A water main and sanitary sewer were installed running north from Merrill Road, and a gas main was installed running east from an existing gas facility located at the northwest corner of the parking lot area, as shown on Figure 3. Soils removed during construction of these utilities were placed in the OPCAs and clean soil, from an approved source, was used as backfill. Any emergency repair made to these utilities would in all likelihood involve excavation of this same, clean backfill used in construction of the lines. Therefore, emergency utility excavation in those areas would not involve exposure to soil over 200 ppm, and, accordingly, GE is not proposing to collect samples to characterize soils in these utility corridors.

Review of the recent and historical PCB data in the vicinity of the identified utility corridors indicates only three discrete sample results (from three sample locations) in the RAA that exceed or approach a 200 ppm PCB concentration, as summarized below:

Sample Location	Sample Depth (feet)	PCB Concentration (ppm)	Active Utility in vicinity
RAA9-J9	0 to 1	600	Underground Electric
RAA9-J10	0 to 1	157	Underground Electric
H78B-30	0 to 0.5	190	Underground Water

These PCB concentrations are not in the 1- to 6-foot depth increment at all, but rather on the surface. Each of these samples is greater than the not-to-exceed (NTE) concentration of 125 ppm for top foot of soil in an unpaved portion of this RAA as specified in the Performance Standards for the GE-owned parcels at Hill 78 Area-Remainder. Therefore, these soils will be removed and further evaluation of the related utility corridors is not required. GE has reviewed the remaining available PCB data, and has not identified any data gaps for the utility corridor characterization. Based on these results, GE does not propose to collect additional PCB soil samples for utility characterization.

2.6.4 Storm Sewer and Sanitary Sewer Evaluation

As required by EPA's July 24, 2004 conditional approval letter, and as reflected in the PDI Work Plan Addendum, GE performed a preliminary evaluation of the storm and sanitary sewer lines that extend south from Tyler Street Extension under Hill 78 OPCA and the Hill 78 Area-Remainder. This preliminary evaluation consisted of obtaining design and/or construction plans from the City of Pittsfield Engineers Office and GE to

determine design criteria, pipe class and size, method of installation, and other available information to aid in the evaluation. Also, a video inspection of the storm and sanitary sewers was conducted.

With regard to the storm sewer, in total, approximately 570 feet of the 720 feet of storm sewer were video inspected. Of the 570 feet inspected, approximately 420 feet were 42" reinforced concrete pipe (RCP) which ran south from Tyler Street Extension under the OPCA. The length of sewer inspected is shown on Figure 2. As shown on the figure, the video inspection of the storm sewer included most of the length of the storm sewer under the OPCA. The inspection showed that this 420-foot segment of the pipe was very clean, with only some sediment deposits and roots in the pipe. There appeared to be no structural deficiencies such as cracks, bulges, and collapsed or broken sections of pipe in the 420-foot area inspected. This area included sections of the OPCA with considerable volumes of soil overlying the pipe. At the end of the 420-foot area, there was a heavy sediment deposit, and the video camera could not access the full length of the pipe. Select still images from the video inspection for this length of storm sewer are presented in Attachment 1. Therefore, the video inspection of the storm sewer was continued in an upstream direction from the outfall of the storm sewer. The pipe on the lower end of the storm sewer was corrugated metal pipe (CMP). Approximately 150 feet of the lower portion of storm sewer was video inspected. The inspection of that portion revealed heavy sediment deposits and debris throughout that section of the pipe, which prevented the video camera from accessing the entire length of the pipe.

With regard to the sanitary sewer, approximately 30 feet of the sanitary sewer (10" or 12" vitrified clay pipe, the pipe was not measured due to limitations in the field) south of the OPCA was also video inspected. The video inspection could not continue beyond 30 feet from the manhole due to a blockage in the pipe. The inspection was inconclusive due to a buildup of material on the surface of the pipe. Because of this blockage, the portion of the sanitary sewer under the OPCA was not video inspected.

GE proposes to coordinate with the City of Pittsfield to arrange for the cleaning of both the storm and sanitary sewer pipes in this area to provide better access for the video camera and allow for better visual inspection of the pipes. After both pipes are cleaned, GE will arrange for another video inspection of both the storm sewer and sanitary sewer pipes under the Hill 78 OPCA. Upon completion of the video inspection of these lines, GE will complete the evaluation and present the results of that evaluation in a separate document within approximately 2 months of completion of the field activities.

3. Future Activities and Schedule

3.1 General

As discussed in Section 2.6, GE has identified additional sampling data needs for the Hill 78 Area-Remainder Removal Action: further characterization of soils within the vicinity of locations RAA9-K4, RAA9-M6, and RAA9-N5. Section 3.2 describes GE's proposal to address those data needs, as well as other remaining pre-design activities that GE will conduct to support the development of the Conceptual RD/RA Work Plan. Section 3.3 presents GE's proposed schedule for the conduct of these activities and submission of the Conceptual RD/RA Work Plan, and outlines the anticipated contents of that work plan.

3.2 Additional Pre-Design Activities

As noted in Section 2.6, GE proposes return to locations RAA9-K4, RAA9-M6, and RAA9-N5 and attempt to collect samples from the 6- to 15-foot depth interval for PCB analysis to satisfy the pre-design requirements, further characterize soils, and thus facilitate future RD/RA evaluations. If GE cannot obtain samples from these locations, GE proposes that it would then collect samples from three alternate locations to further characterize soils in the 6- to 15-foot depth interval: One sample (designated RAA9-K3.5) would be collected approximately 50 feet to the west of location RAA9-K4, the second sample (designated RAA9-M5.5) would be collected approximately 50 feet west of location RAA9-M6, and the third sample (designated RAA9-N4.5) would be collected approximately 45 feet west of location RAA9-N5. These potential additional sample locations are shown on Figure 3. If collected, these samples will be collected from the 6- to 15-foot depth interval and analyzed for PCBs. These samples would be collected and analyzed in accordance with the procedures set forth in GE's approved FSP/QAPP. The results will be presented in a Supplemental Data Letter, as discussed below.

As discussed in Section 2.6.1, based on review of the existing PCB data, GE also has identified the need for additional PCB sampling along the south boundary of this RAA to further assess the extent of PCBs exceeding 2 ppm. Therefore, GE is proposing additional samples at locations RAA9-X1, RAA9-X2, RAA9-X3, and RAA9-X4, as shown on Figure 3. Two of these proposed locations (RAA9-X1 and RAA9-X4) are surface soil samples and will be collected for PCB analysis from the 0- to 1-foot depth interval. For proposed sample locations RAA9-X2 and RAA9-X3, soil borings will be advanced and samples will be collected for PCB analysis from

the 0- to 1-foot and 1- to 6-foot depth intervals. Based on the results from these samples, GE will evaluate the need for and scope of additional sampling. The results of these evaluations and, if necessary, a proposal for additional sampling in this area will be presented in a Supplemental Data Letter. Although other samples along the west and north boundaries of this RAA may exceed 2 ppm, GE does not propose further delineation along these boundaries because other RAAs within the GE Plant site are located adjacent to those boundaries of this RAA.

In addition, the available site mapping for Hill 78 Area-Remainder is not sufficient to support future RD/RA evaluations. The current mapping, as depicted on the figures included with this report, was generated from aerial photographs and existing GE site plans. Although this mapping is useful for identifying prominent features within this RAA (e.g., utilities, roadways, and surface-water features) and the approximate locations of soil sample locations (as shown on Figures 3 through 6), additional detailed site mapping is required to support the development of spatial average PCB concentrations and other RD/RA actions. GE will develop an overall detailed site map for Hill 78 Area-Remainder that will include the following information:

- existing buildings, structures;
- paved, gravel and unpaved areas;
- surface elevations and topography;
- property boundaries and easements (e.g., utility);
- selected utilities (e.g., manholes, catch basins, telephone poles, etc.);
- existing soil sampling locations; and
- other prominent site features.

As stated in Section 2.6.4, with regard to the storm and sanitary sewer pipes under the Hill 78 OPCA investigated by GE, GE proposes to coordinate with the City of Pittsfield, within the next month, to arrange for the cleaning of the storm and sanitary sewer pipes. Cleaning these pipes should provide better access for the video camera and allow for better visual inspection of the pipes. Upon completion of the video inspection of these lines, GE will complete the evaluation and present the results of that evaluation in a separate document within 2 months of completion of the field activities.

3.3 Schedule for Future Activities

GE proposes to conduct the additional sampling for soil characterization, continue the storm and sanitary sewer evaluations, and the additional mapping activities, as described in Section 3.2, following EPA approval of this PDI Report. The analytical results from the soil characterization sampling, and the additional mapping will be presented in a Supplemental Data Letter to be submitted within 45 days following EPA approval of this PDI Report. The Supplemental Data Letter will outline GE's proposal to conduct any additional sampling, if necessary, based on data needs identified from the proposed additional sampling and a proposal for any changes to the schedule set forth below for future work activities, as may be necessary based on the data available at that time. The analytical results from the soil samples will also be provided in the CD Monthly Status Report that follows receipt of those results. The results from the sewer evaluation will be presented in a separate document within 2 months of the completion of field activities.

Unless a different schedule is proposed in the Supplemental Data Letter, GE anticipates submitting the Conceptual RD/RA Work Plan for Hill 78-Remainder within 6 months from receipt of EPA approval of this PDI Report, assuming that no significant data needs are identified by GE while performing the detailed RD/RA evaluations. To address the possibility that additional data may be needed based on GE's evaluations, again unless a different schedule is proposed in the Supplemental Data Letter, GE proposes to submit a letter to EPA within 4 months of approval of this PDI Report advising EPA whether GE believes that any additional soil sampling is necessary for purposes of RD/RA evaluations and, if such sampling is necessary, making a proposal for that sampling. If additional sampling is necessary, the letter will propose a revised schedule for submittal of the Conceptual RD/RA Work Plan, if appropriate. If GE has not identified any such data needs, the letter will advise EPA of that fact. If any other factors cause a delay in the schedule proposed above, GE will notify EPA and propose for EPA approval a revised schedule for submitting the Conceptual RD/RA Work Plan. GE will execute an ERE for its parcels and, GE has an agreement with the owner of Parcel K11-7-1 that the owner will execute an ERE with regard to that parcel as well. Therefore, the Conceptual RD/RA Work Plan will be developed on the understanding that all of Hill 78 Area-Remainder will be subject to EREs.

The Conceptual RD/RA Work Plan for the Hill 78 Area-Remainder Removal Action will be consistent with Section 3.3 of the SOW and address the following topics:

- Results of the pre-design studies/investigations, including the additional samples proposed herein;

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- An evaluation of the areas and depths subject to response actions to meet the PCB-related Performance standards set forth in the CD and the SOW;
 - An evaluation of the need for additional response actions to address non-PCB constituents and (if needed) the type of such response actions;
 - An evaluation of other issues that may affect the type and extent of response actions;
 - Preliminary plans and specifications to support the response actions;
 - Summary of preliminary response action quantities, including soil removal, capping areas, etc.;
 - Design assumptions and parameters; and
 - Identification of Applicable or Relevant and Appropriate Requirements (ARARs) in accordance with Attachment B to the SOW.

Tables



TABLE 1
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR PCBs

**PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA9-B18	0-1	1/21/2005	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.041 J	0.041 J
	1-6	1/21/2005	ND(0.040)							
	6-15	1/21/2005	ND(0.037)							
RAA9-C15	0-1	2/1/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.34	0.34
	1-6	2/1/2005	ND(0.038)							
	6-15	2/1/2005	ND(0.038)							
RAA9-C16	6-15	1/20/2005	ND(0.038)							
RAA9-E7	0-1	1/5/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.14	0.54	0.68
	1-6	1/5/2005	ND(0.036)							
	6-15	1/5/2005	ND(0.034)							
RAA9-F5	0-1	10/25/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.014 J	0.026 J	0.040 J
	1-6	10/25/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.085	ND(0.036)	ND(0.036)	0.085
	6-15	10/25/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.20	ND(0.038)	ND(0.038)	0.20
RAA9-F6	0-1	1/4/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.75	0.75
	1-6	1/4/2005	ND(0.038)							
	6-15	1/4/2005	ND(0.039)							
RAA9-F7	0-1	1/5/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.47	0.47
	1-6	1/5/2005	ND(0.038)							
	6-15	1/5/2005	ND(0.040)							
RAA9-F15	0-1	1/28/2005	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	3.6	2.6	6.2
	1-6	1/28/2005	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	1.6	1.2	2.8
	6-15	1/28/2005	ND(0.038)							
RAA9-F16	0-1	1/28/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.44	0.59	1.03
	1-6	1/28/2005	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	2.9	1.8	4.7
	6-15	1/28/2005	ND(0.038)							
RAA9-F18	0-1	1/20/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	1.0	2.0	3.0
	1-6	1/20/2005	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.47	0.88	1.35
	6-15	1/20/2005	ND(0.035)							
RAA9-F20	0-1	1/20/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.032 J	0.10	0.132
	1-6	1/20/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.063	0.15	0.213
	6-15	1/20/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.028 J	0.028 J	0.028 J
RAA9-G3	0-1	1/5/2005	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	0.033 J	0.092	0.125
	1-6	1/5/2005	ND(0.039) [ND(0.039)]							
	6-15	1/5/2005	ND(0.039)							
RAA9-G4	0-1	1/5/2005	ND(0.039)							
	1-6	1/5/2005	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.016 J	0.042	0.058
	6-15	1/5/2005	ND(0.037)							
RAA9-G5	0-1	10/22/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.049	0.049
	1-6	10/22/2004	ND(0.037)							
	6-15	10/22/2004	ND(0.038)							
RAA9-G7	0-1	1/10/2005	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	28	28
	1-6	1/10/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.53	0.53
	6-15	1/10/2005	ND(0.039)							
RAA9-G14	0-1	1/28/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	1.0	1.2	2.2
	1-6	1/28/2005	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.30	0.56	0.86
	6-15	1/28/2005	ND(0.036)							
RAA9-G17	0-1	1/25/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	1.0	0.80	1.8
	1-6	1/25/2005	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	2.7	1.9	4.6
	6-15	1/25/2005	ND(0.037)							
RAA9-G18	6-15	1/20/2005	ND(0.037)							
RAA9-G20	0-1	1/25/2005	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.050)	0.20	0.2
	1-6	1/25/2005	ND(0.036)							
	6-15	1/25/2005	ND(0.035)							
RAA9-H2	0-1	1/5/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.041	0.041
	1-6	1/5/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	1.3	1.3
	6-15	1/5/2005	ND(0.039)							

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Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA9-H3	0-1	10/20/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.041 J	0.041 J
	1-6	10/20/2004	ND(0.038)							
	6-15	10/20/2004	ND(0.036)							
RAA9-H4	0-1	10/20/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.025 J	0.025 J
	1-6	10/20/2004	ND(0.035)							
	6-15	10/20/2004	ND(0.040)							
RAA9-H5	0-1	1/5/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.022 J	0.090	0.112
	1-6	1/5/2005	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.24	0.28	0.52
	6-15	1/5/2005	ND(0.038)							
RAA9-H6	0-1	1/14/2005	ND(0.038) [ND(0.038)]	0.13 [0.21]	0.18 [0.22]	0.31 [0.43]				
	1-6	1/14/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.36	0.25	0.61
	6-10	1/14/2005	ND(0.039)							
RAA9-H7	0-1	1/10/2005	ND(0.036)							
	1-6	1/10/2005	ND(0.037) [ND(0.037)]							
	6-15	1/10/2005	ND(0.038)							
RAA9-H15	0-1	2/1/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.059)	0.12	0.12
	1-6	2/1/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.076)	0.12	0.12
RAA9-H16	0-1	1/27/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.097	0.094	0.191
	1-6	1/27/2005	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.91	0.74	1.65
	6-15	1/27/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.021 J	0.020 J	0.041 J
RAA9-H17	0-1	1/27/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.15	0.13	0.28
	1-6	1/27/2005	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.51	0.49	1.0
	6-15	1/27/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.071	0.065	0.136
RAA9-H18	0-1	1/27/2005	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.37	0.28	0.65
	1-6	1/27/2005	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	4.1	4.7	8.8
	6-15	1/27/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.56	0.58	1.14
RAA9-H19	0-1	1/25/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.060)	0.090	0.09
	1-6	1/25/2005	ND(0.036)							
	6-15	1/25/2005	ND(0.038)							
RAA9-H20	0-1	2/1/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.033 J	0.033 J
	1-6	2/1/2005	ND(0.036)							
	6-15	2/1/2005	ND(0.035)							
RAA9-H22	0-1	10/29/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.034 J	0.034 J
	1-6	10/29/2004	ND(0.037) [ND(0.038)]							
	6-15	10/29/2004	ND(0.040)							
RAA9-I2	0-1	1/4/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.56	0.46	1.02
	1-6	1/4/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.14	0.13	0.27
	6-15	1/4/2005	ND(0.041)							
RAA9-I3	0-1	10/20/2004	ND(0.41)	ND(0.41)	ND(0.41)	ND(0.41)	ND(0.41)	5.1	7.4	12.5
	1-6	10/20/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.81	0.91	1.72
	6-15	10/20/2004	ND(0.039)							
RAA9-I4	0-1	10/22/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.099	0.10	0.199
	1-6	10/22/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.055	0.017 J	0.072
	6-15	10/22/2004	ND(0.037) [ND(0.037)]							
RAA9-I5	0-1	10/22/2004	ND(0.79)	ND(0.79)	ND(0.79)	ND(0.79)	ND(0.79)	12	4.5	16.5
	1-6	10/22/2004	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	3.0	1.2	4.2
	6-15	10/22/2004	ND(0.037)							
RAA9-I7	6-15	1/24/2005	ND(0.042)							
	6-15	1/4/2005	ND(0.039)	ND(0.042)						
RAA9-I9	6-15	1/14/2005	ND(0.039)	ND(0.022 J)						
	6-15	1/14/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.057	0.11	0.167
RAA9-I11	6-15	1/28/2005	ND(0.036) [ND(0.037)]							
	6-15	1/28/2005	ND(0.037)							
RAA9-I14	0-1	1/27/2005	ND(0.037)							
	1-6	1/27/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.64	0.95	1.59
	6-15	1/27/2005	ND(0.037)							

TABLE 1
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR PCBs

**PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA9-I15	0-1	1/27/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.18	0.21	0.39
	1-6	1/27/2005	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.032 J	0.032 J
	6-15	1/27/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA9-I17	0-1	2/4/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.60	0.43	1.03
	1-6	2/4/2005	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	3.4	1.6	5.0
	6-15	2/4/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA9-I18	0-1	1/25/2005	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	0.89	0.96	1.85
	1-6	1/25/2005	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	3.6	2.8	6.4
	6-15									
RAA9-I20	0-1	2/4/2005	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.020 J	ND(0.036)	0.020 J
	1-6	2/4/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	2/4/2005	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA9-I21	0-1	10/27/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.13	ND(0.038)	ND(0.038)	0.13
	1-6	10/27/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.053	ND(0.035)	ND(0.035)	0.053
	6-15	10/27/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.18	ND(0.035)	ND(0.035)	0.18
RAA9-I23	0-1	10/27/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.070	0.25	0.32
	1-6	10/27/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.014 J	ND(0.038)	0.014 J
	6-15	10/27/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA9-J3	0-1	10/22/2004	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	3.2	3.0	6.2
	1-6	10/22/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.90	0.69	1.59
	6-15	10/22/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
RAA9-J4	0-1	10/22/2004	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	2.1	0.78	2.88
	1-6	10/22/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	1.7	0.53	2.23
	6-15	10/22/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.015 J	0.015 J
RAA9-J5	0-1	1/24/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.091	0.074	0.165
	1-6	1/24/2005	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	11	4.1	15.1
	6-15	1/24/2005	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	6.6	3.4	10
RAA9-J6	6-15	1/17/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.077	0.14	0.217
RAA9-J7	6-15	1/10/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA9-J8	0-1	1/10/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.15	0.41	0.56
	1-6	1/10/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	1/10/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA9-J9	0-1	1/12/2005	ND(40)	ND(40)	ND(40)	ND(40)	100	350	150	600
	1-6	1/12/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.34	1.5	1.4	3.24
	6-15	1/12/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.050
RAA9-J10	0-1	1/12/2005	ND(19)	ND(19)	ND(19)	ND(19)	ND(19)	110	47	157
	1-6	1/12/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.080	0.30	0.15	0.53
	6-15	1/12/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.039	0.021 J	0.060
RAA9-J11	0-1	1/21/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.088	0.12	0.208
	1-6	1/21/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	1/21/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA9-J12	0-1	2/3/2005	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)	0.086	0.18	0.266
	1-6	2/3/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	6-15	2/3/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA9-J13	0-1	2/3/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.78	1.7	2.48
	1-6	2/3/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.92	1.6	2.52
	6-15	2/3/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.60	0.85	1.45
RAA9-J14	0-1	1/28/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.065	0.071	0.136
	1-6	1/28/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.38	0.46	0.84
	6-15	1/28/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA9-J15	0-1	2/1/2005	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.13)	0.22	0.22
	1-6	2/1/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.31	0.47	0.78
	6-15	2/1/2005	ND(0.036) J [ND(0.036)]	ND(0.036) J [0.017 J]	ND(0.036) J [0.017 J]					
RAA9-J16	0-1	2/1/2005	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	1.7	1.2	2.9
	1-6	2/1/2005	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.67	0.35	1.02
	6-15	2/1/2005	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)

TABLE 1
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR PCBs

**PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA9-J17	0-1	1/19/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.22	0.29	0.51
	1-6	1/19/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	1/19/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA9-J18	0-1	1/25/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.34	0.65	0.99
RAA9-J19	0-1	10/27/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	1-6	10/27/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.17	0.079	0.249
	6-15	10/27/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA9-K3	0-1	1/4/2005	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	2.2	5.1	7.3
	1-6	1/4/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA9-K4	6-8	1/11/2005	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	8.1	2.8	10.9
RAA9-K5	0-1	1/11/2005	ND(0.78)	ND(0.78)	ND(0.78)	ND(0.78)	ND(0.78)	15	24	39
	1-6	1/11/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.82	0.47	1.29
	6-15	1/11/2005	ND(0.038) [ND(0.038)]	0.76 [0.70]	0.33 [0.32]	1.09 [1.02]				
RAA9-K6	0-1	1/11/2005	ND(0.77)	ND(0.77)	ND(0.77)	ND(0.77)	ND(0.77)	13	20	33
	1-6	1/11/2005	ND(0.74)	ND(0.74)	ND(0.74)	ND(0.74)	ND(0.74)	9.4	24	33.4
	6-15	1/11/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.37	ND(0.038)	0.37
RAA9-K7	0-1	1/12/2005	ND(0.78)	ND(0.78)	ND(0.78)	ND(0.78)	ND(0.78)	3.4	7.5	10.9
	1-6	1/12/2005	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	1.1	2.3	3.4
	6-15	1/12/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.031 J	0.031 J
RAA9-K8	0-1	1/12/2005	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	2.2	3.5	7.8
	1-6	1/12/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.30	0.32	0.95
	6-15	1/12/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.038 J	ND(0.038)	0.038 J
RAA9-K9	0-1	1/18/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.073	0.086	0.159
	1-6	1/18/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	6-15	1/18/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
RAA9-K9.5	0-1	1/18/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.34	0.26	0.60
RAA9-K10	1-6	1/19/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	1/19/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA9-K11	0-1	1/13/2005	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.18	0.045	0.225
	1-6	1/13/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.082	ND(0.040)	0.082
	6-15	1/13/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
RAA9-K12	0-1	2/3/2005	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.33	0.60	0.93
	1-6	2/3/2005	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	0.16	0.38	0.54
	6-15	2/3/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
RAA9-K12E	0-1	1/25/2005	ND(0.041) [ND(0.048)]	0.16 J [ND(0.063)]	0.086 J [ND(0.048)]	0.246 J [ND(0.048)]				
RAA9-K13	1-6	2/2/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.14	0.14
	6-15	2/2/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA9-K14	0-1	2/2/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.10	0.33	0.43
	1-6	2/2/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.14	0.20	0.34
	6-15	2/2/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.026 J	ND(0.038)	0.026 J
RAA9-K15	0-1	2/3/2005	R	R	R	R	R	R	R	R
	1-6	2/3/2005	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	6-15	2/3/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA9-K16	0-1	2/2/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	1.5	ND(0.038)	1.5
	1-6	2/2/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.035 J	ND(0.037)	0.035 J
	6-15	2/2/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA9-K17	0-1	1/19/2005	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.22	0.19	0.41
	1-6	1/19/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.14	0.10	0.24
	6-15	1/19/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA9-K18	0-1	2/2/2005	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.70	1.3	2.0
	1-6	2/2/2005	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.20	0.36	0.56
	6-15	2/2/2005	ND(0.037) [ND(0.037)]	0.025 J [0.021 J]	0.025 J [0.021 J]					
RAA9-K21	0-1	10/29/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.064	0.25	0.314
	1-6	10/29/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	6-15	10/29/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)

TABLE 1
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR PCBs

**PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA9-K24	0-1	10/29/2004	ND(0.038)							
	1-6	10/29/2004	ND(0.035)							
	6-15	10/29/2004	ND(0.035)							
RAA9-KL10.5	0-1	1/18/2005	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	3.4	ND(0.19)	3.4
RAA9-L4	0-1	1/11/2005	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	34	ND(1.9)	34
	1-6	1/11/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.14	ND(0.037)	0.14
	6-15	1/11/2005	ND(0.040)							
RAA9-L5	0-1	1/11/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.89	1.8	2.69
	1-6	1/11/2005	ND(0.37)	ND(0.37)	ND(0.37)	ND(0.37)	ND(0.37)	2.1	6.9	13.2
	6-15	1/11/2005	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	1.6	3.4	5.0
RAA9-L6	0-1	1/17/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	1.9	1.8	3.7
	1-6	1/17/2005	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	4.1	3.4	7.5
	6-15	1/17/2005	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	2.5	2.1	4.6
RAA9-L7	0-1	1/13/2005	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	1.5	2.9	4.4
	1-6	1/13/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.10	0.15	0.25
	6-15	1/13/2005	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.022 J	0.030 J	0.052 J
RAA9-L8	0-1	1/13/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.49	0.44	0.93
	1-6	1/13/2005	ND(0.036)							
	6-15	1/13/2005	ND(0.039)							
RAA9-L9	0-1	1/13/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.021 J	0.059	0.080
	1-6	1/13/2005	ND(0.039) [ND(0.039)]	0.034 J [0.052]	0.031 J [0.045]	0.065 J [0.097]				
	6-15	1/13/2005	ND(0.038)							
RAA9-L9.5	0-1	1/18/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.12	0.13	0.25
RAA9-L10	0-1	1/18/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.063	0.072	0.135
RAA9-L10	1-6	1/18/2005	ND(0.039)							
	6-15	1/18/2005	ND(0.038)							
	0-1	1/18/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.18	0.17	0.35
RAA9-L11	0-1	1/19/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.047	0.042	0.089
	1-6	1/19/2005	ND(0.040)							
	6-15	1/19/2005	ND(0.039)							
RAA9-L12	0-1	1/21/2005	ND(0.045)							
	1-6	1/21/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	1.7	ND(0.038)	1.7
	6-15	1/21/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.023 J	ND(0.039)	0.023 J
RAA9-L13	0-1	1/21/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.21	0.33	0.54
	1-6	1/21/2005	ND(0.043) J	0.19 J	0.49 J	0.68 J				
	6-15	1/21/2005	ND(0.038) [ND(0.038)]							
RAA9-L14	0-1	2/2/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.22	0.51	0.73
	1-6	2/2/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.034 J	0.034 J
	6-15	2/2/2005	ND(0.038)							
RAA9-L15	0-1	1/25/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.30	0.62	0.92
RAA9-L17	0-1	1/19/2005	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	2.8	6.7	9.5
	1-6	1/19/2005	ND(4.1) [ND(20)]	190 [250]	100 [120]	290 [370]				
	6-15	1/19/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.34	0.20	0.54
RAA9-L18	0-1	1/26/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.73	0.57	1.3
	1-6	1/26/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.053	0.073	0.126
	6-15	1/26/2005	ND(0.036)							
RAA9-L19	0-1	1/26/2005	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	5.5	2.7	8.2
	1-6	1/26/2005	ND(0.19) [ND(0.19)]	2.9 [3.4]	1.3 [2.3]	4.2 [5.7]				
	6-15	1/26/2005	ND(0.037)							
RAA9-L20	0-1	1/26/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.43	0.43
	1-6	1/26/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.083	0.18	0.263
	6-15	1/26/2005	ND(0.038)							
RAA9-L21	0-1	1/26/2005	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.091	0.070	0.161
	1-6	1/26/2005	ND(0.035)							
	6-15	1/26/2005	ND(0.038)							

TABLE 1
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR PCBs

**PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA9-LM10	0-1	1/18/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.48	0.39	0.87
RAA9-LM10.5	0-1	1/18/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.097	0.11	0.207
	1-6	1/18/2005	ND(0.035)							
	6-15	1/18/2005	ND(0.038)							
RAA9-M4	0-1	1/4/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.49	0.76	1.25
	1-6	1/4/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.093	0.14	0.233
	6-15	1/4/2005	ND(0.039)							
RAA9-M5	0-1	1/6/2005	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.63	0.63
	1-6	1/6/2005	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	65	65
	6-15	1/6/2005	ND(0.20) [ND(0.40)]	0.65 J [1.1 J]	1.8 J [3.5 J]	2.45 J [4.6 J]				
RAA9-M6	0-1	1/6/2005	ND(0.74)	ND(0.74)	ND(0.74)	ND(0.74)	ND(0.74)	ND(0.74)	11	11
	1-6	1/6/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.25	0.20	0.45
	6-10	1/6/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.59	0.80	1.39
RAA9-M7	0-1	1/6/2005	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.23)	1.1	3.4	4.5
	1-6	1/6/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.064	0.13	0.194
	6-15	1/6/2005	ND(0.039)							
RAA9-M8	0-1	1/6/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.10	0.19	0.29
	1-6	1/6/2005	ND(0.036)							
	6-15	1/6/2005	ND(0.038)							
RAA9-M9	0-1	1/7/2005	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.035 J	0.035 J
	1-6	1/7/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.20	0.27	0.47
	6-15	1/7/2005	ND(0.048) [ND(0.039)]							
RAA9-N5	0-1	1/7/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.28	0.58	0.86
	1-6	1/7/2005	ND(2.3)	ND(2.3)	ND(2.3)	ND(2.3)	ND(2.3)	ND(2.3)	36	36
RAA9-N6	0-1	1/7/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.56	1.4	1.96
	1-6	1/7/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.70	0.90	1.6
	6-15	1/7/2005	ND(0.064)	ND(0.064)	ND(0.064)	ND(0.064)	ND(0.064)	3.0	2.1	5.1
RAA9-N7	0-1	1/7/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.16	0.22	0.38
	1-6	1/7/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.94	1.4	2.34
	6-15	1/7/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.024 J	0.024 J

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of PCBs.
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan, General Electric Company, Pittsfield, Massachusetts, Blasland Bouck & Lee, Inc. (approved November 4, 2002 and resubmitted December 10, 2002).
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. Field duplicate sample results are presented in brackets.

Data Qualifiers:

- J - Indicates that the associated numerical value is an estimated concentration.
R - Data was rejected due to a deficiency in the data generation process.

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter	RAA9-B18 0-1 01/21/05	RAA9-B18 1-6 01/21/05	RAA9-B18 4-6 01/21/05	RAA9-B18 6-15 01/21/05	RAA9-B18 12-14 01/21/05	RAA9-C15 1-6 02/01/05	RAA9-C16 1-6 01/20/05
Volatile Organics							
1,1,2,2-Tetrachloroethane	ND(0.0074)	NA	ND(0.0057)	NA	ND(0.0055)	NA	NA
1,2,3-Trichloropropane	ND(0.0074)	NA	ND(0.0057)	NA	ND(0.0055)	NA	NA
2-Butanone	ND(0.015)	NA	ND(0.011)	NA	ND(0.011)	NA	NA
Acetone	ND(0.030)	NA	ND(0.023)	NA	ND(0.022)	NA	NA
Benzene	ND(0.0074)	NA	ND(0.0057)	NA	ND(0.0055)	NA	NA
Ethylbenzene	ND(0.0074)	NA	ND(0.0057)	NA	ND(0.0055)	NA	NA
Methylene Chloride	ND(0.0074)	NA	ND(0.0057)	NA	ND(0.0055)	NA	NA
Styrene	ND(0.0074)	NA	ND(0.0057)	NA	ND(0.0055)	NA	NA
Tetrachloroethene	ND(0.0074)	NA	ND(0.0057)	NA	ND(0.0055)	NA	NA
Toluene	ND(0.0074)	NA	ND(0.0057)	NA	ND(0.0055)	NA	NA
Trichloroethene	ND(0.0074)	NA	ND(0.0057)	NA	ND(0.0055)	NA	NA
Trichlorofluoromethane	ND(0.0074)	NA	ND(0.0057) J	NA	ND(0.0055)	NA	NA
Xylenes (total)	ND(0.0074)	NA	ND(0.0057)	NA	ND(0.0055)	NA	NA
Semivolatile Organics							
1,2,4,5-Tetrachlorobenzene	ND(0.50)	ND(0.40)	NA	ND(0.37)	NA	NA	NA
1,2,4-Trichlorobenzene	ND(0.50)	ND(0.40)	NA	ND(0.37)	NA	NA	NA
1,4-Dichlorobenzene	ND(0.50)	ND(0.40)	NA	ND(0.37)	NA	NA	NA
2,4-Dimethylphenol	ND(0.50)	ND(0.40)	NA	ND(0.37)	NA	NA	NA
2-Methylnaphthalene	ND(0.50)	ND(0.40)	NA	ND(0.37)	NA	NA	NA
Acenaphthene	ND(0.50)	ND(0.40)	NA	ND(0.37)	NA	NA	NA
Acenaphthylene	ND(0.50)	ND(0.40)	NA	ND(0.37)	NA	NA	NA
Aniline	ND(0.50) J	ND(0.40) J	NA	ND(0.37) J	NA	NA	NA
Anthracene	ND(0.50)	ND(0.40)	NA	ND(0.37)	NA	NA	NA
Benzo(a)anthracene	ND(0.50)	ND(0.40)	NA	ND(0.37)	NA	NA	NA
Benzo(a)pyrene	ND(0.50)	ND(0.40)	NA	ND(0.37)	NA	NA	NA
Benzo(b)fluoranthene	ND(0.50)	ND(0.40)	NA	ND(0.37)	NA	NA	NA
Benzo(g,h,i)perylene	ND(0.50)	ND(0.40)	NA	ND(0.37)	NA	NA	NA
Benzo(k)fluoranthene	ND(0.50)	ND(0.40)	NA	ND(0.37)	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ND(0.49)	ND(0.40)	NA	ND(0.37)	NA	NA	NA
Chrysene	ND(0.50)	ND(0.40)	NA	ND(0.37)	NA	NA	NA
Dibeno(a,h)anthracene	ND(0.50)	ND(0.40)	NA	ND(0.37)	NA	NA	NA
Dibenzofuran	ND(0.50)	ND(0.40)	NA	ND(0.37)	NA	NA	NA
Diethylphthalate	ND(0.50)	ND(0.40)	NA	ND(0.37)	NA	NA	NA
Dimethylphthalate	ND(0.50)	ND(0.40)	NA	ND(0.37)	NA	NA	NA
Di-n-Butylphthalate	ND(0.50)	ND(0.40)	NA	ND(0.37)	NA	NA	NA
Fluoranthene	0.071 J	ND(0.40)	NA	ND(0.37)	NA	NA	NA
Fluorene	ND(0.50)	ND(0.40)	NA	ND(0.37)	NA	NA	NA
Hexachlorobenzene	ND(0.50)	ND(0.40)	NA	ND(0.37)	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ND(0.50)	ND(0.40)	NA	ND(0.37)	NA	NA	NA
Naphthalene	ND(0.50)	ND(0.40)	NA	ND(0.37)	NA	NA	NA
N-Nitrosopiperidine	ND(0.50)	ND(0.40)	NA	ND(0.37)	NA	NA	NA
Pentachlorobenzene	ND(0.50)	ND(0.40)	NA	ND(0.37)	NA	NA	NA
Phenanthrene	ND(0.50)	ND(0.40)	NA	ND(0.37)	NA	NA	NA
Phenol	ND(0.50)	ND(0.40)	NA	ND(0.37)	NA	NA	NA
Pyrene	0.062 J	ND(0.40)	NA	ND(0.37)	NA	NA	NA
Furans							
2,3,7,8-TCDF	0.0000035 Y	ND(0.00000045)	NA	ND(0.00000045)	NA	ND(0.00000021)	0.00000060 JY
TCDFs (total)	0.000015	ND(0.00000045)	NA	ND(0.00000045)	NA	ND(0.00000021)	0.0000040
1,2,3,7,8-PeCDF	ND(0.0000014)	ND(0.00000073)	NA	ND(0.00000074)	NA	ND(0.00000031)	ND(0.00000087)
2,3,4,7,8-PeCDF	ND(0.0000014)	ND(0.00000071)	NA	ND(0.00000072)	NA	ND(0.00000029)	ND(0.00000083)
PeCDFs (total)	0.0000047	ND(0.00000073)	NA	ND(0.00000076)	NA	ND(0.00000038)	0.0000032
1,2,3,4,7,8-HxCDF	ND(0.0000024)	ND(0.00000057)	NA	ND(0.00000055)	NA	ND(0.00000032)	ND(0.00000082)
1,2,3,6,7,8-HxCDF	ND(0.0000014)	ND(0.00000054)	NA	ND(0.00000053)	NA	ND(0.00000029)	ND(0.00000070)
1,2,3,7,8,9-HxCDF	ND(0.0000012)	ND(0.00000067)	NA	ND(0.00000065)	NA	ND(0.00000037)	ND(0.00000061)
2,3,4,6,7,8-HxCDF	ND(0.0000014)	ND(0.00000059)	NA	ND(0.00000057)	NA	ND(0.00000033)	ND(0.00000082)
HxCDFs (total)	0.0000048	ND(0.00000067)	NA	ND(0.00000065)	NA	ND(0.00000037)	0.0000091
1,2,3,4,6,7,8-HpCDF	0.0000044 J	ND(0.00000052)	NA	ND(0.00000054)	NA	ND(0.00000024)	0.0000017
1,2,3,4,7,8,9-HpCDF	ND(0.0000012)	ND(0.00000064)	NA	ND(0.00000066)	NA	ND(0.00000029)	ND(0.00000066)
HpCDFs (total)	0.0000044	ND(0.00000064)	NA	ND(0.00000066)	NA	ND(0.00000029)	0.000026
OCDF	ND(0.0000044)	ND(0.00000073)	NA	ND(0.00000090)	NA	ND(0.00000034)	ND(0.0000037)

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA9-B18 0-1 01/21/05	RAA9-B18 1-6 01/21/05	RAA9-B18 4-6 01/21/05	RAA9-B18 6-15 01/21/05	RAA9-B18 12-14 01/21/05	RAA9-C15 1-6 02/01/05	RAA9-C16 1-6 01/20/05
Dioxins								
2,3,7,8-TCDD	ND(0.00000095)	ND(0.00000059)	NA	ND(0.00000065)	NA	ND(0.00000018)	ND(0.00000055)	
TCDDs (total)	ND(0.00000095)	ND(0.00000059)	NA	ND(0.00000065)	NA	ND(0.00000018)	ND(0.00000055)	
1,2,3,7,8-PeCDD	ND(0.0000022)	ND(0.0000012)	NA	ND(0.0000013)	NA	ND(0.00000045)	ND(0.0000010)	
PeCDDs (total)	ND(0.0000022)	ND(0.0000012)	NA	ND(0.0000013)	NA	ND(0.00000045)	ND(0.0000010)	
1,2,3,4,7,8-HxCDD	ND(0.0000010)	ND(0.00000067)	NA	ND(0.00000076)	NA	ND(0.00000035)	ND(0.00000062)	
1,2,3,6,7,8-HxCDD	ND(0.00000092)	ND(0.00000060)	NA	ND(0.00000068)	NA	ND(0.00000032)	ND(0.00000055)	
1,2,3,7,8,9-HxCDD	ND(0.00000095)	ND(0.00000061)	NA	ND(0.00000071)	NA	ND(0.00000033)	ND(0.00000058)	
HxCDDs (total)	0.0000038	ND(0.00000067)	NA	ND(0.00000076)	NA	ND(0.00000035)	ND(0.00000062)	
1,2,3,4,6,7,8-HpCDD	0.0000084	ND(0.00000076)	NA	ND(0.00000080)	NA	ND(0.00000037)	ND(0.0000010)	
HpCDDs (total)	0.000016	ND(0.00000076)	NA	ND(0.00000080)	NA	ND(0.00000037)	ND(0.0000010)	
OCDD	0.000034	ND(0.0000024)	NA	ND(0.0000019)	NA	ND(0.0000020)	ND(0.0000034)	
Total TEQs (WHO TEFs)	0.0000029	0.0000013	NA	0.0000014	NA	0.00000053	0.0000015	
Inorganics								
Antimony	1.30 B	ND(6.00)	NA	1.20 B	NA	NA	NA	
Arsenic	6.00	5.30	NA	3.20	NA	NA	NA	
Barium	45.0	39.0	NA	28.0	NA	NA	NA	
Beryllium	0.380 B	0.420 B	NA	0.250 B	NA	NA	NA	
Cadmium	0.670	0.590	NA	0.500	NA	NA	NA	
Chromium	11.0	12.0	NA	8.60	NA	NA	NA	
Cobalt	7.60	10.0	NA	7.50	NA	NA	NA	
Copper	14.0	18.0	NA	16.0	NA	NA	NA	
Cyanide	0.130 B	0.0840 B	NA	0.0830 B	NA	NA	NA	
Lead	17.0	10.0	NA	6.40	NA	NA	NA	
Mercury	0.0210 B	ND(0.120)	NA	ND(0.110)	NA	NA	NA	
Nickel	14.0	18.0	NA	14.0	NA	NA	NA	
Selenium	ND(1.10)	ND(1.00)	NA	ND(1.00)	NA	NA	NA	
Silver	ND(1.10)	ND(1.00)	NA	ND(1.00)	NA	NA	NA	
Sulfide	ND(7.40)	ND(6.00)	NA	ND(5.60)	NA	NA	NA	
Thallium	4.40 J	5.60	NA	3.30	NA	NA	NA	
Tin	ND(11.0)	ND(10.0)	NA	ND(10.0)	NA	NA	NA	
Vanadium	13.0	13.0	NA	8.10	NA	NA	NA	
Zinc	66.0	66.0	NA	46.0	NA	NA	NA	

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
 (Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter	RAA9-E7 0-1 01/05/05	RAA9-F5 0-1 10/25/04	RAA9-F6 0-1 01/04/05	RAA9-F7 1-6 01/05/05	RAA9-F16 0-1 01/28/05	RAA9-F18 1-3 01/20/05	RAA9-F18 1-6 01/20/05
Volatile Organics							
1,1,2,2-Tetrachloroethane	ND(0.0060) J	ND(0.0060)	ND(0.0059) J	NA	ND(0.0056)	ND(0.0054)	NA
1,2,3-Trichloropropane	ND(0.0060) J	ND(0.0060)	ND(0.0059) J	NA	ND(0.0056)	ND(0.0054)	NA
2-Butanone	ND(0.012)	ND(0.012)	ND(0.012)	NA	ND(0.011)	ND(0.011)	NA
Acetone	ND(0.024)	ND(0.024)	ND(0.024)	NA	ND(0.022)	ND(0.022)	NA
Benzene	ND(0.0060)	ND(0.0060)	ND(0.0059)	NA	ND(0.0056)	ND(0.0054)	NA
Ethylbenzene	ND(0.0060)	ND(0.0060)	ND(0.0059)	NA	ND(0.0056)	ND(0.0054)	NA
Methylene Chloride	ND(0.0060)	ND(0.0060)	ND(0.0059) J	NA	ND(0.0056)	ND(0.0054)	NA
Styrene	ND(0.0060)	ND(0.0060)	ND(0.0059)	NA	ND(0.0056)	ND(0.0054)	NA
Tetrachloroethene	ND(0.0060)	ND(0.0060)	ND(0.0059)	NA	ND(0.0056)	ND(0.0054)	NA
Toluene	ND(0.0060)	ND(0.0060)	ND(0.0059)	NA	ND(0.0056)	ND(0.0054)	NA
Trichloroethene	ND(0.0060)	ND(0.0060)	ND(0.0059)	NA	ND(0.0056)	ND(0.0054)	NA
Trichlorofluoromethane	ND(0.0060)	ND(0.0060)	ND(0.0059)	NA	ND(0.0056)	ND(0.0054)	NA
Xylenes (total)	ND(0.0060)	ND(0.0060)	ND(0.0059)	NA	ND(0.0056)	ND(0.0054)	NA
Semivolatile Organics							
1,2,4,5-Tetrachlorobenzene	ND(0.40)	ND(0.40)	ND(0.39)	NA	ND(0.37)	NA	ND(0.36)
1,2,4-Trichlorobenzene	ND(0.40)	ND(0.40)	ND(0.39)	NA	ND(0.37)	NA	ND(0.36)
1,4-Dichlorobenzene	ND(0.40)	ND(0.40)	ND(0.39)	NA	ND(0.37)	NA	ND(0.36)
2,4-Dimethylphenol	ND(0.40)	ND(0.40)	ND(0.39)	NA	ND(0.37)	NA	ND(0.36)
2-Methylnaphthalene	ND(0.40)	1.0	ND(0.39)	NA	ND(0.37)	NA	ND(0.36)
Acenaphthene	ND(0.40)	ND(0.40)	ND(0.39)	NA	ND(0.37)	NA	ND(0.36)
Acenaphthylene	ND(0.40)	ND(0.40)	ND(0.39)	NA	ND(0.37)	NA	ND(0.36)
Aniline	ND(0.40) J	ND(0.40) J	ND(0.39) J	NA	ND(0.37) J	NA	ND(0.36) J
Anthracene	ND(0.40)	ND(0.40)	ND(0.39)	NA	ND(0.37)	NA	ND(0.36)
Benzo(a)anthracene	ND(0.40)	ND(0.40)	ND(0.39)	NA	ND(0.37)	NA	0.041 J
Benzo(a)pyrene	ND(0.40)	0.093 J	ND(0.39)	NA	ND(0.37)	NA	ND(0.36)
Benzo(b)fluoranthene	ND(0.40)	ND(0.40) J	ND(0.39)	NA	ND(0.37)	NA	0.031 J
Benzo(g,h,i)perylene	ND(0.40)	ND(0.40)	ND(0.39)	NA	ND(0.37)	NA	ND(0.36)
Benzo(k)fluoranthene	ND(0.40)	ND(0.40)	ND(0.39)	NA	ND(0.37)	NA	0.041 J
bis(2-Ethylhexyl)phthalate	ND(0.39)	ND(0.39)	ND(0.39) J	NA	ND(0.37)	NA	ND(0.36)
Chrysene	ND(0.40)	0.16 J	ND(0.39)	NA	ND(0.37)	NA	ND(0.36)
Dibenzo(a,h)anthracene	ND(0.40)	ND(0.40)	ND(0.39)	NA	ND(0.37)	NA	ND(0.36)
Dibenzofuran	ND(0.40)	0.26 J	ND(0.39)	NA	ND(0.37)	NA	ND(0.36)
Diethylphthalate	ND(0.40)	ND(0.40)	ND(0.39)	NA	ND(0.37)	NA	ND(0.36)
Dimethylphthalate	ND(0.40)	ND(0.40)	ND(0.39)	NA	ND(0.37)	NA	ND(0.36)
Di-n-Butylphthalate	ND(0.40)	ND(0.40)	ND(0.39)	NA	ND(0.37)	NA	ND(0.36)
Fluoranthene	ND(0.40)	ND(0.40)	ND(0.39)	NA	ND(0.37)	NA	0.088 J
Fluorene	ND(0.40)	ND(0.40)	ND(0.39)	NA	ND(0.37)	NA	ND(0.36)
Hexachlorobenzene	ND(0.40)	ND(0.40)	ND(0.39)	NA	ND(0.37)	NA	ND(0.36)
Indeno(1,2,3-cd)pyrene	ND(0.40)	ND(0.40) J	ND(0.39)	NA	ND(0.37)	NA	ND(0.36)
Naphthalene	ND(0.40)	0.78	ND(0.39)	NA	ND(0.37)	NA	ND(0.36)
N-Nitrosopiperidine	ND(0.40)	ND(0.40)	ND(0.39)	NA	ND(0.37)	NA	ND(0.36)
Pentachlorobenzene	ND(0.40)	ND(0.40)	ND(0.39)	NA	ND(0.37)	NA	ND(0.36)
Phenanthrene	ND(0.40)	0.47	ND(0.39)	NA	ND(0.37)	NA	0.047 J
Phenol	ND(0.40)	ND(0.40)	ND(0.39)	NA	ND(0.37)	NA	ND(0.36)
Pyrene	ND(0.40)	0.13 J	ND(0.39)	NA	ND(0.37)	NA	0.084 J
Furans							
2,3,7,8-TCDF	0.000019 Y	0.000016 Y	0.0000048 Y	ND(0.00000052)	0.0000015 Y	NA	0.0000013 Y
TCDFs (total)	0.00012	0.00013	0.000011	ND(0.00000052)	0.000011	NA	0.000011
1,2,3,7,8-PeCDF	0.0000063	0.0000056 J	ND(0.00000020)	ND(0.00000083)	ND(0.00000023)	NA	ND(0.00000066)
2,3,4,7,8-PeCDF	0.0000012	0.0000073	0.0000035 J	ND(0.00000080)	ND(0.00000022)	NA	ND(0.00000013)
PeCDFs (total)	0.0000054	0.00018	0.000013	ND(0.00000083)	0.000013	NA	0.000021
1,2,3,4,7,8-HxCDF	0.00000048 J	0.00000087	0.00000037 J	ND(0.00000070)	ND(0.00000025)	NA	0.0000038 J
1,2,3,6,7,8-HxCDF	0.00000035 J	0.000012 I	ND(0.00000016)	ND(0.00000067)	ND(0.00000019)	NA	ND(0.00000017)
1,2,3,7,8,9-HxCDF	ND(0.00000060)	ND(0.00000081)	ND(0.00000017)	ND(0.00000084)	ND(0.00000021)	NA	ND(0.00000067)
2,3,4,6,7,8-HxCDF	0.0000033 J	0.0000084	ND(0.00000021)	ND(0.00000074)	ND(0.00000023)	NA	ND(0.00000015)
HxCDFs (total)	0.0000024	0.00026	0.000019	ND(0.00000084)	0.000025	NA	0.000025
1,2,3,4,6,7,8-HpCDF	0.00000068	0.0000086	0.0000058	ND(0.00000017)	0.0000039 J	NA	0.000014
1,2,3,4,7,8,9-HpCDF	ND(0.00000099)	0.0000049 J	ND(0.00000020)	ND(0.00000011)	ND(0.00000013)	NA	ND(0.00000012)
HpCDFs (total)	0.0000068	0.00042	0.000010	ND(0.00000017)	0.0000091	NA	0.000023
OCDF	ND(0.0000073)	0.00040 D	0.0000082 J	ND(0.0000011)	ND(0.00000044)	NA	0.0000093 J

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter	RAA9-E7 0-1 01/05/05	RAA9-F5 0-1 10/25/04	RAA9-F6 0-1 01/04/05	RAA9-F7 1-6 01/05/05	RAA9-F16 0-1 01/28/05	RAA9-F18 1-3 01/20/05	RAA9-F18 1-6 01/20/05
Dioxins							
2,3,7,8-TCDD	ND(0.00000079)	0.0000025	ND(0.00000010)	ND(0.00000069)	ND(0.0000016)	NA	ND(0.00000045)
TCDDs (total)	ND(0.00000079)	0.0000065	ND(0.00000010)	ND(0.00000069)	ND(0.0000016)	NA	ND(0.00000045)
1,2,3,7,8-PeCDD	ND(0.0000013)	ND(0.0000019)	ND(0.0000031)	ND(0.0000012)	ND(0.0000028)	NA	ND(0.00000096)
PeCDDs (total)	ND(0.0000019)	ND(0.0000043)	ND(0.0000031)	ND(0.0000012)	ND(0.0000028)	NA	ND(0.00000096)
1,2,3,4,7,8-HxCDD	ND(0.00000082)	ND(0.0000019)	ND(0.0000026) J	ND(0.0000017)	ND(0.0000020)	NA	ND(0.00000061)
1,2,3,6,7,8-HxCDD	ND(0.00000074)	0.0000082	ND(0.0000023)	ND(0.0000015)	ND(0.0000018)	NA	ND(0.00000063)
1,2,3,7,8,9-HxCDD	ND(0.00000075)	ND(0.0000029)	ND(0.0000024)	ND(0.0000015)	ND(0.0000018)	NA	ND(0.00000057)
HxCDDs (total)	ND(0.0000012)	0.000064	ND(0.0000026)	ND(0.0000017)	ND(0.0000020)	NA	ND(0.0000012)
1,2,3,4,6,7,8-HpCDD	0.0000032 J	0.00036 J	0.0000055 J	ND(0.0000020)	ND(0.0000022)	NA	0.0000034 J
HpCDDs (total)	0.0000032	0.0018	0.000011	ND(0.0000020)	ND(0.0000022)	NA	0.0000062
OCDD	0.000015	0.0055 D	0.000032	ND(0.0000019)	0.000015	NA	0.000029
Total TEQs (WHO TEFs)	0.000011	0.000018	0.0000055	0.0000016	0.0000037	NA	0.0000020
Inorganics							
Antimony	ND(6.00) J	ND(6.00)	ND(6.00)	NA	ND(6.00)	NA	ND(6.00)
Arsenic	6.10	5.60	5.10	NA	3.00	NA	4.40
Barium	40.0	41.0	33.0	NA	25.0	NA	30.0
Beryllium	0.320 B	0.240 B	0.320 B	NA	0.170 B	NA	0.220 B
Cadmium	0.980	0.240 B	0.960	NA	0.700	NA	0.530
Chromium	10.0	5.00	11.0	NA	8.50	NA	6.30
Cobalt	9.90	7.10	11.0	NA	5.40	NA	11.0
Copper	19.0	12.0	25.0	NA	8.60	NA	15.0
Cyanide	0.190 J	0.110 B	ND(0.240)	NA	ND(0.110)	NA	0.0340 B
Lead	15.0 J	35.0	10.0	NA	5.10	NA	18.0
Mercury	0.0410 B	0.0530 B	ND(0.120)	NA	ND(0.110)	NA	ND(0.110)
Nickel	15.0	7.50	22.0	NA	8.40	NA	12.0
Selenium	0.820 B	1.10 J	ND(1.00) J	NA	ND(1.00) J	NA	ND(1.00)
Silver	ND(1.00) J	0.130 B	ND(1.00)	NA	ND(1.00)	NA	ND(1.00)
Sulfide	9.60	ND(6.00)	9.40	NA	5.40 B	NA	5.20 B
Thallium	6.20	ND(1.20)	3.50	NA	2.80 J	NA	3.00 J
Tin	ND(10.0)	ND(10.0)	ND(10.0)	NA	ND(10.0)	NA	ND(10.0)
Vanadium	11.0	9.10	11.0	NA	7.20	NA	6.90
Zinc	64.0 J	33.0	64.0	NA	36.0	NA	46.0

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter	RAA9-F20 0-1 01/20/05	RAA9-G3 0-1 01/05/05	RAA9-G3 1-6 01/05/05	RAA9-G3 4-6 01/05/05	RAA9-G4 0-1 01/05/05
Volatile Organics					
1,1,2,2-Tetrachloroethane	ND(0.0058)	ND(0.0067) J	NA	ND(0.0057) [ND(0.0056)]	ND(0.0058) J
1,2,3-Trichloropropane	ND(0.0058)	ND(0.0067) J	NA	ND(0.0057) [ND(0.0056)]	ND(0.0058)
2-Butanone	ND(0.012)	ND(0.013)	NA	ND(0.011) [ND(0.011)]	ND(0.012)
Acetone	ND(0.023)	0.011 J	NA	ND(0.023) [ND(0.022)]	0.17
Benzene	ND(0.0058)	ND(0.0067)	NA	ND(0.0057) [ND(0.0056)]	ND(0.0058)
Ethylbenzene	ND(0.0058)	ND(0.0067)	NA	ND(0.0057) [ND(0.0056)]	ND(0.0058)
Methylene Chloride	ND(0.0058)	ND(0.0067)	NA	ND(0.0057) [ND(0.0056)]	ND(0.0058)
Styrene	ND(0.0058)	ND(0.0067)	NA	ND(0.0057) [ND(0.0056)]	ND(0.0058)
Tetrachloroethene	ND(0.0058)	ND(0.0067)	NA	ND(0.0057) [ND(0.0056)]	ND(0.0058)
Toluene	ND(0.0058)	ND(0.0067)	NA	ND(0.0057) [ND(0.0056)]	ND(0.0058)
Trichloroethene	ND(0.0058)	ND(0.0067)	NA	ND(0.0057) [ND(0.0056)]	ND(0.0058)
Trichlorofluoromethane	ND(0.0058)	ND(0.0067)	NA	ND(0.0057) [ND(0.0056)]	ND(0.0058)
Xylenes (total)	ND(0.0058)	ND(0.0067)	NA	ND(0.0057) [ND(0.0056)]	ND(0.0058)
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	ND(0.38)	ND(0.45)	ND(0.39) [ND(0.39)]	NA	ND(0.39)
1,2,4-Trichlorobenzene	ND(0.38)	ND(0.45)	ND(0.39) [ND(0.39)]	NA	ND(0.39)
1,4-Dichlorobenzene	ND(0.38)	ND(0.45)	ND(0.39) [ND(0.39)]	NA	ND(0.39)
2,4-Dimethylphenol	ND(0.38)	ND(0.45)	ND(0.39) [ND(0.39)]	NA	ND(0.39)
2-Methylnaphthalene	ND(0.38)	ND(0.45)	ND(0.39) [ND(0.39)]	NA	ND(0.39)
Acenaphthene	ND(0.38)	ND(0.45)	ND(0.39) [ND(0.39)]	NA	ND(0.39)
Acenaphthylene	0.045 J	ND(0.45)	ND(0.39) [ND(0.39)]	NA	ND(0.39)
Aniline	ND(0.38) J	ND(0.45) J	ND(0.39) J [ND(0.39) J]	NA	ND(0.39) J
Anthracene	0.050 J	ND(0.45)	ND(0.39) [ND(0.39)]	NA	ND(0.39)
Benzo(a)anthracene	0.16 J	0.092 J	ND(0.39) [ND(0.39)]	NA	ND(0.39)
Benzo(a)pyrene	0.17 J	0.097 J	ND(0.39) [ND(0.39)]	NA	ND(0.39)
Benzo(b)fluoranthene	0.17 J	0.074 J	ND(0.39) [ND(0.39)]	NA	ND(0.39)
Benzo(g,h,i)perylene	0.12 J	ND(0.45)	ND(0.39) [ND(0.39)]	NA	ND(0.39)
Benzo(k)fluoranthene	0.14 J	0.12 J	ND(0.39) [ND(0.39)]	NA	ND(0.39)
bis(2-Ethylhexyl)phthalate	ND(0.38)	ND(0.44)	ND(0.38) [ND(0.39)]	NA	ND(0.38)
Chrysene	0.22 J	0.14 J	ND(0.39) [ND(0.39)]	NA	ND(0.39)
Dibenzo(a,h)anthracene	ND(0.38)	ND(0.45)	ND(0.39) [ND(0.39)]	NA	ND(0.39)
Dibenzofuran	ND(0.38)	ND(0.45)	ND(0.39) [ND(0.39)]	NA	ND(0.39)
Diethylphthalate	ND(0.38)	ND(0.45)	ND(0.39) [ND(0.39)]	NA	ND(0.39)
Dimethylphthalate	ND(0.38)	ND(0.45)	ND(0.39) [ND(0.39)]	NA	ND(0.39)
Di-n-Butylphthalate	ND(0.38)	ND(0.45)	ND(0.39) [ND(0.39)]	NA	ND(0.39)
Fluoranthene	0.34 J	0.22 J	ND(0.39) [ND(0.39)]	NA	0.053 J
Fluorene	ND(0.38)	ND(0.45)	ND(0.39) [ND(0.39)]	NA	ND(0.39)
Hexachlorobenzene	ND(0.38)	ND(0.45)	ND(0.39) [ND(0.39)]	NA	ND(0.39)
Indeno(1,2,3-cd)pyrene	0.097 J	ND(0.45)	ND(0.39) [ND(0.39)]	NA	ND(0.39)
Naphthalene	ND(0.38)	ND(0.45)	ND(0.39) [ND(0.39)]	NA	ND(0.39)
N-Nitrosopiperidine	ND(0.38)	ND(0.45)	ND(0.39) [ND(0.39)]	NA	ND(0.39)
Pentachlorobenzene	ND(0.38)	ND(0.45)	ND(0.39) [ND(0.39)]	NA	ND(0.39)
Phenanthrene	0.19 J	0.12 J	ND(0.39) [ND(0.39)]	NA	ND(0.39)
Phenol	ND(0.38)	ND(0.45)	ND(0.39) [ND(0.39)]	NA	ND(0.39)
Pyrene	0.32 J	0.25 J	ND(0.39) [ND(0.39)]	NA	0.057 J
Furans					
2,3,7,8-TCDF	0.0000026 Y	0.000022 Y	ND(0.00000050) Y [ND(0.00000048) Y]	NA	0.0000075 Y
TCDFs (total)	0.000046	0.00019	ND(0.00000050) [ND(0.00000048)]	NA	0.000078
1,2,3,7,8-PeCDF	ND(0.0000016)	0.0000082	ND(0.00000080) [ND(0.00000086)]	NA	0.0000032 J
2,3,4,7,8-PeCDF	0.0000043 J	0.0000097	ND(0.00000077) [ND(0.00000084)]	NA	ND(0.0000026)
PeCDFs (total)	0.00025	0.000095	ND(0.00000080) [ND(0.00000086)]	NA	0.000026
1,2,3,4,7,8-HxCDF	0.000011	0.0000056 J	ND(0.00000057) [ND(0.00000043)]	NA	ND(0.0000029)
1,2,3,6,7,8-HxCDF	0.000012	0.0000044 J	ND(0.00000040) [ND(0.00000041)]	NA	ND(0.0000016)
1,2,3,7,8,9-HxCDF	0.0000034 J	ND(0.00000059)	ND(0.00000050) [ND(0.00000051)]	NA	ND(0.0000012)
2,3,4,6,7,8-HxCDF	0.000028	0.000046 J	ND(0.00000043) [ND(0.00000044)]	NA	ND(0.0000021)
HxCDFs (total)	0.00068	0.000065	ND(0.00000057) [ND(0.00000051)]	NA	0.000015
1,2,3,4,6,7,8-HpCDF	0.00012	0.000019	ND(0.00000076) [ND(0.00000062)]	NA	0.0000041 J
1,2,3,4,7,8,9-HpCDF	0.0000052 J	ND(0.0000022)	ND(0.00000057) [ND(0.00000058)]	NA	ND(0.0000014)
HpCDFs (total)	0.00025	0.000038	ND(0.00000076) [ND(0.00000062)]	NA	0.0000074
OCDF	0.000027	ND(0.000032)	ND(0.0000045) [ND(0.0000019)]	NA	ND(0.0000042)

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA9-F20 0-1 01/20/05	RAA9-G3 0-1 01/05/05	RAA9-G3 1-6 01/05/05	RAA9-G3 4-6 01/05/05	RAA9-G4 0-1 01/05/05
Dioxins						
2,3,7,8-TCDD	ND(0.00000074)	ND(0.00000070)	ND(0.00000065) [ND(0.00000076)]		NA	ND(0.00000079)
TCDDs (total)	ND(0.00000074)	0.0000037	ND(0.00000065) [ND(0.00000076)]		NA	ND(0.00000079)
1,2,3,7,8-PeCDD	ND(0.0000012)	ND(0.0000013)	ND(0.0000013) [ND(0.0000013)]		NA	ND(0.0000017)
PeCDDs (total)	ND(0.0000027)	ND(0.0000030)	ND(0.0000023) [ND(0.0000013)]		NA	ND(0.0000017)
1,2,3,4,7,8-HxCDD	ND(0.0000028)	ND(0.00000085)	ND(0.00000070) [ND(0.00000074)]		NA	ND(0.0000013)
1,2,3,6,7,8-HxCDD	0.0000033 J	ND(0.0000014)	ND(0.00000063) [ND(0.00000067)]		NA	ND(0.0000011)
1,2,3,7,8,9-HxCDD	ND(0.0000026)	ND(0.0000018)	ND(0.00000064) [ND(0.00000069)]		NA	ND(0.0000012)
HxCDDs (total)	0.000028	0.0000095	ND(0.00000073) [ND(0.00000078)]		NA	ND(0.0000014)
1,2,3,4,6,7,8-HxCDD	0.000044	0.000029	ND(0.00000097) [ND(0.00000087)]		NA	0.0000054 J
HxCDDs (total)	0.000086	0.000064	ND(0.00000097) [ND(0.00000087)]		NA	0.000011
OCDD	0.00037	0.00023	ND(0.0000043) [ND(0.0000036)]		NA	0.000031
Total TEQs (WHO TEFs)	0.000011	0.000011	0.0000014 [0.0000015]		NA	0.0000035
Inorganics						
Antimony	1.50 B	ND(6.00) J	ND(6.00) J [0.840 J]		NA	ND(6.00) J
Arsenic	65.0	6.90	3.50 [4.90]		NA	6.70
Barium	21.0	40.0	20.0 B [29.0]		NA	37.0
Beryllium	0.390 B	0.280 B	0.300 B [0.330 B]		NA	0.260 B
Cadmium	2.10	1.10	0.870 [1.10]		NA	0.990
Chromium	8.30	12.0	9.70 [11.0]		NA	9.00
Cobalt	28.0	7.40	8.60 [7.90]		NA	11.0
Copper	14.0	25.0	12.0 [15.0]		NA	22.0
Cyanide	0.0780 B	1.00 J	0.0600 J [0.0880 J]		NA	0.170 J
Lead	22.0	84.0 J	11.0 J [24.0 J]		NA	26.0 J
Mercury	ND(0.120)	1.10	0.150 [0.190]		NA	0.0380 B
Nickel	15.0	14.0	15.0 [16.0]		NA	19.0
Selenium	1.00	ND(1.00)	ND(1.00) [0.770 B]		NA	ND(1.00)
Silver	ND(1.00)	33.0	9.00 [12.0]		NA	ND(1.00) J
Sulfide	ND(5.80)	13.0	11.0 [5.60 B]		NA	5.60 B
Thallium	16.0	3.10 J	4.70 [5.70]		NA	5.40
Tin	ND(10.0)	11.0	ND(10.0) [3.00 B]		NA	ND(10.0)
Vanadium	8.80	12.0	9.70 [12.0]		NA	11.0
Zinc	48.0	200 J	120 J [190 J]		NA	68.0 J

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter	RAA9-G4 6-15 01/05/05	RAA9-G4 10-12 01/05/05	RAA9-G5 0-1 10/22/04	RAA9-G5 1-6 10/22/04	RAA9-G5 3-4 10/22/04	RAA9-G14 0-1 10/28/05	RAA9-G14 6-15 01/28/05
Volatile Organics							
1,1,2,2-Tetrachloroethane	NA	ND(0.0058)	ND(0.0058)	NA	ND(0.0055)	ND(0.0055)	NA
1,2,3-Trichloropropane	NA	ND(0.0058)	0.022	NA	ND(0.0055)	ND(0.0055)	NA
2-Butanone	NA	ND(0.012)	ND(0.012)	NA	ND(0.011)	ND(0.011)	NA
Acetone	NA	ND(0.023)	ND(0.023)	NA	ND(0.022)	ND(0.022)	NA
Benzene	NA	ND(0.0058)	ND(0.0058)	NA	ND(0.0055)	ND(0.0055)	NA
Ethylbenzene	NA	ND(0.0058)	ND(0.0058)	NA	ND(0.0055)	ND(0.0055)	NA
Methylene Chloride	NA	ND(0.0058)	ND(0.0058)	NA	ND(0.0055)	ND(0.0055)	NA
Styrene	NA	ND(0.0058)	ND(0.0058)	NA	ND(0.0055)	ND(0.0055)	NA
Tetrachloroethene	NA	ND(0.0058)	ND(0.0058)	NA	ND(0.0055)	ND(0.0055)	NA
Toluene	NA	ND(0.0058)	ND(0.0058)	NA	ND(0.0055)	ND(0.0055)	NA
Trichloroethene	NA	ND(0.0058)	ND(0.0058)	NA	ND(0.0055)	ND(0.0055)	NA
Trichlorofluoromethane	NA	ND(0.0058)	ND(0.0058)	NA	ND(0.0055)	ND(0.0055)	NA
Xylenes (total)	NA	ND(0.0058)	ND(0.0058)	NA	ND(0.0055)	ND(0.0055)	NA
Semivolatile Organics							
1,2,4,5-Tetrachlorobenzene	ND(0.37)	NA	ND(0.39)	ND(0.37)	NA	ND(0.37)	ND(0.36)
1,2,4-Trichlorobenzene	ND(0.37)	NA	ND(0.39)	ND(0.37)	NA	ND(0.37)	ND(0.36)
1,4-Dichlorobenzene	ND(0.37)	NA	ND(0.39)	ND(0.37)	NA	ND(0.37)	ND(0.36)
2,4-Dimethylphenol	ND(0.37)	NA	ND(0.39)	ND(0.37)	NA	ND(0.37)	ND(0.36)
2-Methylnaphthalene	ND(0.37)	NA	ND(0.39)	ND(0.37)	NA	ND(0.37)	ND(0.36)
Acenaphthene	ND(0.37)	NA	ND(0.39)	ND(0.37)	NA	0.12 J	ND(0.36)
Acenaphthylene	ND(0.37)	NA	ND(0.39)	ND(0.37)	NA	ND(0.37)	ND(0.36)
Aniline	ND(0.37) J	NA	ND(0.39)	ND(0.37)	NA	ND(0.37) J	ND(0.36) J
Anthracene	ND(0.37)	NA	ND(0.39)	ND(0.37)	NA	0.22 J	ND(0.36)
Benzo(a)anthracene	ND(0.37)	NA	ND(0.39)	ND(0.37)	NA	0.92	ND(0.36)
Benzo(a)pyrene	ND(0.37)	NA	ND(0.39)	ND(0.37)	NA	0.58	ND(0.36)
Benzo(b)fluoranthene	ND(0.37)	NA	ND(0.39)	ND(0.37)	NA	0.55	ND(0.36)
Benzo(g,h,i)perylene	ND(0.37)	NA	ND(0.39)	ND(0.37)	NA	0.28 J	ND(0.36)
Benzo(k)fluoranthene	ND(0.37)	NA	ND(0.39)	ND(0.37)	NA	0.60	ND(0.36)
bis(2-Ethylhexyl)phthalate	ND(0.37)	NA	ND(0.39)	ND(0.36)	NA	ND(0.36)	ND(0.36)
Chrysene	ND(0.37)	NA	ND(0.39)	ND(0.37)	NA	0.91	ND(0.36)
Dibenzo(a,h)anthracene	ND(0.37)	NA	ND(0.39)	ND(0.37)	NA	0.078 J	ND(0.36)
Dibenzofuran	ND(0.37)	NA	ND(0.39)	ND(0.37)	NA	ND(0.37)	ND(0.36)
Diethylphthalate	ND(0.37)	NA	ND(0.39)	ND(0.37)	NA	ND(0.37)	ND(0.36)
Dimethylphthalate	ND(0.37)	NA	ND(0.39)	ND(0.37)	NA	ND(0.37)	ND(0.36)
Di-n-Butylphthalate	ND(0.37)	NA	ND(0.39)	ND(0.37)	NA	ND(0.37)	ND(0.36)
Fluoranthene	ND(0.37)	NA	ND(0.39)	ND(0.37)	NA	1.9	ND(0.36)
Fluorene	ND(0.37)	NA	ND(0.39)	ND(0.37)	NA	0.059 J	ND(0.36)
Hexachlorobenzene	ND(0.37)	NA	ND(0.39)	ND(0.37)	NA	ND(0.37)	ND(0.36)
Indeno(1,2,3-cd)pyrene	ND(0.37)	NA	ND(0.39)	ND(0.37)	NA	0.26 J	ND(0.36)
Naphthalene	ND(0.37)	NA	ND(0.39)	ND(0.37)	NA	ND(0.37)	ND(0.36)
N-Nitrosopiperidine	ND(0.37)	NA	ND(0.39)	ND(0.37)	NA	ND(0.37)	ND(0.36)
Pentachlorobenzene	ND(0.37)	NA	ND(0.39)	ND(0.37)	NA	ND(0.37)	ND(0.36)
Phenanthrene	ND(0.37)	NA	ND(0.39)	ND(0.37)	NA	0.92	ND(0.36)
Phenol	ND(0.37)	NA	ND(0.39)	ND(0.37)	NA	ND(0.37)	ND(0.36)
Pyrene	ND(0.37)	NA	ND(0.39)	ND(0.37)	NA	1.6	ND(0.36)
Furans							
2,3,7,8-TCDF	ND(0.0000010)	NA	0.0000023 Y	ND(0.00000025)	NA	0.0000027 Y	0.0000019 Y
TCDFs (total)	ND(0.0000010)	NA	0.0000077	ND(0.00000025)	NA	0.000016	0.0000026
1,2,3,7,8-PeCDF	ND(0.0000010)	NA	ND(0.00000077)	ND(0.00000041)	NA	ND(0.00000025)	ND(0.00000033)
2,3,4,7,8-PeCDF	ND(0.00000099)	NA	ND(0.00000010)	ND(0.00000039)	NA	ND(0.00000025)	ND(0.00000032)
PeCDFs (total)	ND(0.0000010)	NA	0.0000080	ND(0.00000041)	NA	0.0000059	ND(0.00000033)
1,2,3,4,7,8-HxCDF	ND(0.0000018)	NA	ND(0.0000013)	ND(0.00000043)	NA	0.0000013	ND(0.0000020)
1,2,3,6,7,8-HxCDF	ND(0.0000017)	NA	ND(0.0000013)	ND(0.00000041)	NA	0.0000094	ND(0.0000019)
1,2,3,7,8,9-HxCDF	ND(0.0000021)	NA	ND(0.00000072)	ND(0.00000051)	NA	ND(0.00000017)	ND(0.00000024)
2,3,4,6,7,8-HxCDF	ND(0.0000018)	NA	ND(0.0000012)	ND(0.00000045)	NA	0.0000060 J	ND(0.00000021)
HxCDFs (total)	ND(0.0000082)	NA	0.0000095	ND(0.00000051)	NA	0.00015	ND(0.00000024)
1,2,3,4,6,7,8-HpCDF	0.000010	NA	0.0000035 J	ND(0.00000032)	NA	0.000021	ND(0.0000015)
1,2,3,4,7,8,9-HpCDF	ND(0.0000017)	NA	ND(0.00000048)	ND(0.00000038)	NA	0.0000086	ND(0.0000018)
HpCDFs (total)	0.000010	NA	0.0000067	ND(0.00000038)	NA	0.000061	ND(0.0000018)
OCDF	ND(0.0000012)	NA	ND(0.0000036)	ND(0.00000081)	NA	0.000026	ND(0.00000031)

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA9-G4 6-15 01/05/05	RAA9-G4 10-12 01/05/05	RAA9-G5 0-1 10/22/04	RAA9-G5 1-6 10/22/04	RAA9-G5 3-4 10/22/04	RAA9-G14 0-1 10/28/05	RAA9-G14 6-15 01/28/05
Dioxins								
2,3,7,8-TCDD	ND(0.00000091)	NA	ND(0.00000042)	ND(0.00000027)	NA	ND(0.00000083)	ND(0.00000081)	
TCDDs (total)	ND(0.00000091)	NA	ND(0.00000044)	ND(0.00000027)	NA	ND(0.00000083)	ND(0.00000081)	
1,2,3,7,8-PeCDD	ND(0.0000019)	NA	ND(0.00000097)	ND(0.00000059)	NA	ND(0.0000031)	ND(0.0000040)	
PeCDDs (total)	ND(0.0000019)	NA	ND(0.0000014)	ND(0.00000059)	NA	ND(0.0000031)	ND(0.0000040)	
1,2,3,4,7,8-HxCDD	ND(0.0000021)	NA	ND(0.00000073)	ND(0.00000060)	NA	ND(0.0000017)	ND(0.0000026)	
1,2,3,6,7,8-HxCDD	ND(0.0000019)	NA	ND(0.00000078)	ND(0.00000055)	NA	ND(0.0000015)	ND(0.0000023)	
1,2,3,7,8,9-HxCDD	ND(0.0000019)	NA	ND(0.0000013)	ND(0.00000056)	NA	ND(0.0000016)	ND(0.0000023)	
HxCDDs (total)	ND(0.0000021)	NA	ND(0.0000025)	ND(0.00000060)	NA	0.0000032	ND(0.0000026)	
1,2,3,4,6,7,8-HpCDD	ND(0.000014)	NA	0.0000093	ND(0.00000054)	NA	0.0000049 J	ND(0.0000030)	
HpCDDs (total)	ND(0.000014)	NA	0.000019	ND(0.00000054)	NA	0.000011	ND(0.0000030)	
OCDD	ND(0.000025)	NA	0.000045	ND(0.0000020)	NA	0.000026	ND(0.0000028)	
Total TEQs (WHO TEFs)	0.0000025	NA	0.0000017	0.00000073	NA	0.0000064	0.0000043	
Inorganics								
Antimony	1.30 J	NA	ND(6.00)	ND(6.00)	NA	ND(6.00)	ND(6.00)	
Arsenic	4.80	NA	5.30	5.50	NA	2.90	7.10	
Barium	36.0	NA	13.0 B	22.0	NA	69.0	38.0	
Beryllium	0.260 B	NA	0.250 B	0.320 B	NA	0.210 B	0.310 B	
Cadmium	0.920	NA	0.200 B	0.200 B	NA	0.760	1.40	
Chromium	9.50	NA	5.00	6.70	NA	6.50	11.0	
Cobalt	9.40	NA	5.90	7.90	NA	6.50	12.0	
Copper	17.0	NA	20.0	17.0	NA	11.0	19.0	
Cyanide	ND(0.560) J	NA	ND(1.20)	0.230 B	NA	ND(0.220)	0.0440 B	
Lead	7.60 J	NA	31.0	5.80	NA	7.40	9.80	
Mercury	ND(0.110)	NA	ND(0.120)	ND(0.110)	NA	ND(0.110)	ND(0.110)	
Nickel	17.0	NA	11.0	14.0	NA	12.0	20.0	
Selenium	0.540 B	NA	0.760 J	ND(1.00) J	NA	ND(1.00) J	ND(1.00) J	
Silver	ND(1.00) J	NA	ND(1.00)	0.180 B	NA	ND(1.00)	ND(1.00)	
Sulfide	5.40 B	NA	1200	11.0	NA	ND(5.50)	ND(5.40)	
Thallium	6.00	NA	ND(1.20)	ND(1.10)	NA	3.60	6.20	
Tin	ND(10.0)	NA	ND(10.0)	ND(10.0)	NA	ND(10.0)	ND(10.0)	
Vanadium	8.30	NA	5.80	6.20	NA	7.20	10.0	
Zinc	55.0 J	NA	39.0	38.0	NA	56.0	73.0	

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter	RAA9-G14 12-13 01/28/05	RAA9-G17 0-1 01/25/05	RAA9-G18 0-1 01/20/05	RAA9-G20 6-15 01/25/05	RAA9-G20 14-15 01/25/05	RAA9-H2 0-1 01/05/05	RAA9-H2 6-15 01/05/05
Volatile Organics							
1,1,2,2-Tetrachloroethane	ND(0.0057) J	ND(0.0057)	ND(0.0054)	NA	ND(0.0057)	0.15	NA
1,2,3-Trichloropropane	ND(0.0057) J	ND(0.0057)	ND(0.0054)	NA	ND(0.0057)	ND(0.14)	NA
2-Butanone	ND(0.011) J	ND(0.011)	ND(0.011)	NA	ND(0.011)	ND(0.14)	NA
Acetone	ND(0.023) J	ND(0.023)	ND(0.022)	NA	ND(0.023)	ND(0.14)	NA
Benzene	ND(0.0057) J	ND(0.0057)	ND(0.0054)	NA	ND(0.0057)	0.068 J	NA
Ethylbenzene	ND(0.0057) J	ND(0.0057)	ND(0.0054)	NA	ND(0.0057)	0.056 J	NA
Methylene Chloride	ND(0.0057) J	ND(0.0057)	ND(0.0054)	NA	ND(0.0057)	ND(0.14)	NA
Styrene	ND(0.0057) J	ND(0.0057)	ND(0.0054)	NA	ND(0.0057)	0.38	NA
Tetrachloroethylene	ND(0.0057) J	ND(0.0057)	ND(0.0054)	NA	ND(0.0057)	ND(0.14)	NA
Toluene	ND(0.0057) J	ND(0.0057)	ND(0.0054)	NA	ND(0.0057)	0.15	NA
Trichloroethylene	ND(0.0057) J	ND(0.0057)	ND(0.0054)	NA	ND(0.0057)	ND(0.14)	NA
Trichlorofluoromethane	ND(0.0057) J	ND(0.0057) J	ND(0.0054)	NA	ND(0.0057) J	ND(0.14) J	NA
Xylenes (total)	ND(0.0057) J	ND(0.0057)	ND(0.0054)	NA	ND(0.0057)	0.48	NA
Semivolatile Organics							
1,2,4,5-Tetrachlorobenzene	NA	ND(0.38)	ND(0.36)	ND(0.35)	NA	ND(3.8)	ND(0.39)
1,2,4-Trichlorobenzene	NA	ND(0.38)	ND(0.36)	ND(0.35)	NA	ND(3.8)	ND(0.39)
1,4-Dichlorobenzene	NA	ND(0.38)	ND(0.36)	ND(0.35)	NA	ND(3.8)	ND(0.39)
2,4-Dimethylphenol	NA	ND(0.38)	ND(0.36)	ND(0.35)	NA	ND(3.8)	ND(0.39)
2-Methylnaphthalene	NA	ND(0.38)	ND(0.36)	ND(0.35)	NA	17	ND(0.39)
Acenaphthene	NA	ND(0.38)	ND(0.36)	ND(0.35)	NA	9.1	ND(0.39)
Acenaphthylene	NA	ND(0.38)	ND(0.36)	ND(0.35)	NA	36	ND(0.39)
Aniline	NA	ND(0.38) J	ND(0.36) J	ND(0.35) J	NA	ND(3.8) J	ND(0.39) J
Anthracene	NA	ND(0.38)	ND(0.36)	ND(0.35)	NA	36	ND(0.39)
Benzo(a)anthracene	NA	ND(0.38)	0.042 J	ND(0.35)	NA	70	ND(0.39)
Benzo(a)pyrene	NA	ND(0.38)	0.057 J	ND(0.35)	NA	54	ND(0.39)
Benzo(b)fluoranthene	NA	ND(0.38)	0.054 J	ND(0.35)	NA	37	ND(0.39)
Benzo(g,h,i)perylene	NA	ND(0.38)	0.037 J	ND(0.35)	NA	27	ND(0.39)
Benzo(k)fluoranthene	NA	ND(0.38)	0.034 J	ND(0.35)	NA	49	ND(0.39)
bis(2-Ethylhexyl)phthalate	NA	ND(0.38)	ND(0.36)	ND(0.35)	NA	ND(1.9)	ND(0.38)
Chrysene	NA	ND(0.38)	0.074 J	ND(0.35)	NA	72	ND(0.39)
Dibenzo(a,h)anthracene	NA	ND(0.38)	ND(0.36)	ND(0.35)	NA	7.1	ND(0.39)
Dibenzofuran	NA	ND(0.38)	ND(0.36)	ND(0.35)	NA	10	ND(0.39)
Diethylphthalate	NA	ND(0.38)	ND(0.36)	ND(0.35)	NA	ND(3.8)	ND(0.39)
Dimethylphthalate	NA	ND(0.38)	ND(0.36)	ND(0.35)	NA	ND(3.8)	ND(0.39)
Di-n-Butylphthalate	NA	ND(0.38)	ND(0.36)	ND(0.35)	NA	ND(3.8)	ND(0.39)
Fluoranthene	NA	0.053 J	0.060 J	ND(0.35)	NA	180	0.041 J
Fluorene	NA	ND(0.38)	ND(0.36)	ND(0.35)	NA	34	ND(0.39)
Hexachlorobenzene	NA	ND(0.38)	ND(0.36)	ND(0.35)	NA	ND(3.8)	ND(0.39)
Indeno(1,2,3-cd)pyrene	NA	ND(0.38)	ND(0.36)	ND(0.35)	NA	24	ND(0.39)
Naphthalene	NA	ND(0.38)	ND(0.36)	ND(0.35)	NA	12	ND(0.39)
N-Nitrosopiperidine	NA	ND(0.38)	ND(0.36)	ND(0.35)	NA	ND(3.8)	ND(0.39)
Pentachlorobenzene	NA	ND(0.38)	ND(0.36)	ND(0.35)	NA	ND(3.8)	ND(0.39)
Phenanthrene	NA	ND(0.38)	ND(0.36)	ND(0.35)	NA	180	ND(0.39)
Phenol	NA	ND(0.38)	ND(0.36)	ND(0.35)	NA	ND(3.8)	ND(0.39)
Pyrene	NA	0.050 J	0.071 J	ND(0.35)	NA	190	0.054 J
Furans							
2,3,7,8-TCDF	NA	0.0000017 J	0.0000011 Y	ND(0.00000054)	NA	0.0000076 Y	ND(0.00000073)
TCDFs (total)	NA	0.000017 J	0.000010	ND(0.00000054)	NA	0.000024	ND(0.00000073)
1,2,3,7,8-PeCDF	NA	ND(0.0000010)	ND(0.00000094)	ND(0.00000098)	NA	ND(0.00000031)	ND(0.0000011)
2,3,4,7,8-PeCDF	NA	ND(0.00000098)	ND(0.00000090)	ND(0.00000094)	NA	ND(0.00000030)	ND(0.0000011)
PeCDFs (total)	NA	0.000031 J	0.000021	ND(0.00000011)	NA	0.000028	ND(0.0000011)
1,2,3,4,7,8-HxCDF	NA	0.0000032 J	0.0000032 J	ND(0.00000082)	NA	ND(0.00000023)	ND(0.0000012)
1,2,3,6,7,8-HxCDF	NA	ND(0.0000022)	ND(0.0000018)	ND(0.00000077)	NA	ND(0.00000013)	ND(0.0000011)
1,2,3,7,8,9-HxCDF	NA	ND(0.0000011)	ND(0.0000016)	ND(0.00000097)	NA	ND(0.00000010)	ND(0.0000014)
2,3,4,6,7,8-HxCDF	NA	ND(0.0000022)	ND(0.0000014)	ND(0.00000085)	NA	ND(0.00000010)	ND(0.0000012)
HxCDFs (total)	NA	0.000044 J	0.000032	ND(0.00000097)	NA	0.000017	ND(0.0000014)
1,2,3,4,6,7,8-HpCDF	NA	0.0000064 J	0.0000055	ND(0.00000097)	NA	0.0000035 J	ND(0.0000011)
1,2,3,4,7,8,9-HpCDF	NA	ND(0.0000010)	ND(0.0000015)	ND(0.0000012)	NA	ND(0.0000010)	ND(0.0000013)
HpCDFs (total)	NA	0.000013 J	0.000012	ND(0.0000012)	NA	0.0000072	ND(0.0000013)
OCDF	NA	ND(0.0000044)	ND(0.0000046)	ND(0.0000013)	NA	ND(0.0000047)	ND(0.0000019)

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA9-G14 12-13 01/28/05	RAA9-G17 0-1 01/25/05	RAA9-G18 0-1 01/20/05	RAA9-G20 6-15 01/25/05	RAA9-G20 14-15 01/25/05	RAA9-H2 0-1 01/05/05	RAA9-H2 6-15 01/05/05
Dioxins								
2,3,7,8-TCDD	NA	ND(0.00000061)	ND(0.00000069)	ND(0.00000088)	NA	ND(0.0000029)	ND(0.0000010)	
TCDDs (total)	NA	ND(0.00000061)	ND(0.00000069)	ND(0.00000088)	NA	ND(0.0000029)	ND(0.0000010)	
1,2,3,7,8-PeCDD	NA	ND(0.0000013)	ND(0.0000013)	ND(0.0000017)	NA	ND(0.0000021)	ND(0.0000019)	
PeCDDs (total)	NA	ND(0.0000013)	ND(0.0000013)	ND(0.0000017)	NA	ND(0.0000021)	ND(0.0000019)	
1,2,3,4,7,8-HxCDD	NA	ND(0.00000086)	ND(0.0000012)	ND(0.0000011)	NA	ND(0.0000014)	ND(0.0000019)	
1,2,3,6,7,8-HxCDD	NA	ND(0.00000077)	ND(0.0000011)	ND(0.00000094)	NA	ND(0.0000013)	ND(0.0000017)	
1,2,3,7,8,9-HxCDD	NA	ND(0.00000079)	ND(0.0000011)	ND(0.00000097)	NA	ND(0.0000013)	ND(0.0000017)	
HxCDDs (total)	NA	ND(0.00000093)	ND(0.0000012)	ND(0.0000011)	NA	ND(0.0000025)	ND(0.0000019)	
1,2,3,4,6,7,8-HpCDD	NA	0.0000052 J	0.0000067	ND(0.0000014)	NA	0.000011	ND(0.0000018)	
HpCDDs (total)	NA	0.0000095 J	0.000012	ND(0.0000014)	NA	0.000024	ND(0.0000018)	
OCDD	NA	0.000057 J	0.000078	ND(0.0000024)	NA	0.000043	ND(0.0000027)	
Total TEQs (WHO TEFs)	NA	0.0000022	0.0000022	0.0000019	NA	0.0000047	0.0000023	
Inorganics								
Antimony	NA	1.60 J	ND(6.00)	R	NA	1.10 J	ND(6.00) J	
Arsenic	NA	8.20 J	3.10	4.20 J	NA	7.10	4.60	
Barium	NA	140 J	24.0	R	NA	77.0	25.0	
Beryllium	NA	0.400 J	0.270 B	0.140 J	NA	0.540	0.340 B	
Cadmium	NA	2.50 J	0.590	0.660 J	NA	1.60	1.00	
Chromium	NA	10.0 J	9.60	6.90 J	NA	8.50	17.0	
Cobalt	NA	16.0 J	5.90	6.90 J	NA	10.0	8.60	
Copper	NA	26.0 J	12.0	13.0 J	NA	18.0	24.0	
Cyanide	NA	0.0460 J	0.0540 B	0.0400 J	NA	0.0680 J	ND(0.230) J	
Lead	NA	9.30 J	6.40	4.70 J	NA	16.0 J	9.10 J	
Mercury	NA	ND(0.110)	ND(0.110)	ND(0.110)	NA	0.0180 B	ND(0.120)	
Nickel	NA	19.0 J	11.0	12.0 J	NA	16.0	16.0	
Selenium	NA	0.910 J	ND(1.00)	R	NA	0.700 B	ND(1.00)	
Silver	NA	R	ND(1.00)	R	NA	0.270 J	ND(1.00) J	
Sulfide	NA	5.50 J	3.50 B	5.10 J	NA	5.50 B	ND(5.80)	
Thallium	NA	14.0 J	3.80	4.60 J	NA	6.30	5.30	
Tin	NA	R	ND(10.0)	R	NA	ND(10.0)	ND(10.0)	
Vanadium	NA	36.0 J	18.0	5.30 J	NA	12.0	7.10	
Zinc	NA	250 J	36.0	39.0 J	NA	54.0 J	47.0 J	

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter	RAA9-H2 8-10 01/05/05	RAA9-H4 0-1 10/20/04	RAA9-H5 0-1 01/05/05	RAA9-H5 6-8 01/05/05	RAA9-H5 6-15 01/05/05	RAA9-H6 1-6 01/14/05	RAA9-H6 4-6 01/14/05
Volatile Organics							
1,1,2,2-Tetrachloroethane	ND(0.0060)	ND(0.0055)	ND(0.0057)	ND(0.0056)	NA	NA	ND(0.0057)
1,2,3-Trichloropropane	ND(0.0060)	ND(0.0055)	ND(0.0057)	ND(0.0056)	NA	NA	ND(0.0057)
2-Butanone	ND(0.012)	ND(0.011)	ND(0.011)	ND(0.011)	NA	NA	ND(0.011)
Acetone	ND(0.024)	ND(0.022)	ND(0.023)	ND(0.022)	NA	NA	ND(0.023)
Benzene	ND(0.0060)	ND(0.0055)	ND(0.0057)	ND(0.0056)	NA	NA	ND(0.0057)
Ethylbenzene	ND(0.0060)	ND(0.0055)	ND(0.0057)	ND(0.0056)	NA	NA	ND(0.0057)
Methylene Chloride	ND(0.0060)	ND(0.0055)	ND(0.0057)	ND(0.0056)	NA	NA	ND(0.0057)
Styrene	ND(0.0060)	ND(0.0055)	ND(0.0057)	ND(0.0056)	NA	NA	ND(0.0057)
Tetrachloroethene	ND(0.0060)	ND(0.0055)	ND(0.0057)	ND(0.0056)	NA	NA	ND(0.0057)
Toluene	ND(0.0060)	ND(0.0055)	ND(0.0057)	ND(0.0056)	NA	NA	ND(0.0057)
Trichloroethene	ND(0.0060)	ND(0.0055)	ND(0.0057)	ND(0.0056)	NA	NA	ND(0.0057)
Trichlorofluoromethane	ND(0.0060)	ND(0.0055)	ND(0.0057)	ND(0.0056)	NA	NA	ND(0.0057)
Xylenes (total)	ND(0.0060)	ND(0.0055)	ND(0.0057)	ND(0.0056)	NA	NA	ND(0.0057)
Semivolatile Organics							
1,2,4,5-Tetrachlorobenzene	NA	ND(0.37)	ND(0.38)	NA	ND(0.38)	ND(0.39)	NA
1,2,4-Trichlorobenzene	NA	ND(0.37)	ND(0.38)	NA	ND(0.38)	ND(0.39)	NA
1,4-Dichlorobenzene	NA	ND(0.37)	ND(0.38)	NA	ND(0.38)	ND(0.39)	NA
2,4-Dimethylphenol	NA	ND(0.37)	ND(0.38)	NA	ND(0.38)	ND(0.39)	NA
2-Methylnaphthalene	NA	ND(0.37)	ND(0.38)	NA	ND(0.38)	ND(0.39)	NA
Acenaphthene	NA	ND(0.37)	ND(0.38)	NA	ND(0.38)	ND(0.39)	NA
Acenaphthylene	NA	ND(0.37)	ND(0.38)	NA	ND(0.38)	ND(0.39)	NA
Aniline	NA	ND(0.37)	ND(0.38) J	NA	ND(0.38) J	ND(0.39) J	NA
Anthracene	NA	ND(0.37)	ND(0.38)	NA	ND(0.38)	ND(0.39)	NA
Benzo(a)anthracene	NA	ND(0.37)	0.045 J	NA	ND(0.38)	ND(0.39)	NA
Benzo(a)pyrene	NA	ND(0.37)	ND(0.38)	NA	ND(0.38)	ND(0.39)	NA
Benzo(b)fluoranthene	NA	ND(0.37)	ND(0.38)	NA	ND(0.38)	ND(0.39)	NA
Benzo(g,h,i)perylene	NA	ND(0.37)	ND(0.38)	NA	ND(0.38)	ND(0.39)	NA
Benzo(k)fluoranthene	NA	ND(0.37)	ND(0.38)	NA	ND(0.38)	ND(0.39)	NA
bis(2-Ethylhexyl)phthalate	NA	ND(0.36)	ND(0.37)	NA	ND(0.37)	ND(0.38)	NA
Chrysene	NA	ND(0.37)	0.064 J	NA	ND(0.38)	ND(0.39)	NA
Dibenzo(a,h)anthracene	NA	ND(0.37)	ND(0.38)	NA	ND(0.38)	ND(0.39)	NA
Dibenzofuran	NA	ND(0.37)	ND(0.38)	NA	ND(0.38)	ND(0.39)	NA
Diethylphthalate	NA	ND(0.37)	ND(0.38)	NA	ND(0.38)	ND(0.39)	NA
Dimethylphthalate	NA	ND(0.37)	ND(0.38)	NA	ND(0.38)	ND(0.39)	NA
Di-n-Butylphthalate	NA	ND(0.37)	ND(0.38)	NA	ND(0.38)	ND(0.39)	NA
Fluoranthene	NA	ND(0.37)	0.11 J	NA	ND(0.38)	ND(0.39)	NA
Fluorene	NA	ND(0.37)	ND(0.38)	NA	ND(0.38)	ND(0.39)	NA
Hexachlorobenzene	NA	ND(0.37)	ND(0.38)	NA	ND(0.38)	ND(0.39)	NA
Indeno(1,2,3-cd)pyrene	NA	ND(0.37)	ND(0.38)	NA	ND(0.38)	ND(0.39)	NA
Naphthalene	NA	ND(0.37)	ND(0.38)	NA	ND(0.38)	ND(0.39)	NA
N-Nitrosopiperidine	NA	ND(0.37)	ND(0.38)	NA	ND(0.38)	ND(0.39)	NA
Pentachlorobenzene	NA	ND(0.37)	ND(0.38)	NA	ND(0.38)	ND(0.39)	NA
Phenanthrene	NA	ND(0.37)	0.095 J	NA	ND(0.38)	ND(0.39)	NA
Phenol	NA	ND(0.37)	ND(0.38)	NA	ND(0.38)	ND(0.39)	NA
Pyrene	NA	ND(0.37)	0.12 J	NA	ND(0.38)	ND(0.39)	NA
Furans							
2,3,7,8-TCDF	NA	ND(0.00000061) X	0.0000011 Y	NA	ND(0.00000036)	0.0000032 Y	NA
TCDFs (total)	NA	0.00000090 J	0.0000062	NA	ND(0.00000036)	0.000022	NA
1,2,3,7,8-PeCDF	NA	ND(0.00000054)	ND(0.00000056)	NA	ND(0.00000036)	ND(0.0000020)	NA
2,3,4,7,8-PeCDF	NA	ND(0.00000054)	ND(0.00000069)	NA	ND(0.00000036)	ND(0.0000025)	NA
PeCDFs (total)	NA	0.0000042 J	0.000010	NA	ND(0.00000044)	0.000016	NA
1,2,3,4,7,8-HxCDF	NA	ND(0.00000060)	ND(0.00000094)	NA	ND(0.00000078)	0.0000077	NA
1,2,3,6,7,8-HxCDF	NA	ND(0.00000054)	ND(0.00000089)	NA	ND(0.00000074)	0.0000050 J	NA
1,2,3,7,8,9-HxCDF	NA	ND(0.00000069)	ND(0.00000010)	NA	ND(0.00000087)	ND(0.00000055)	NA
2,3,4,6,7,8-HxCDF	NA	0.00000075 J	ND(0.00000097)	NA	ND(0.00000081)	0.0000054 J	NA
HxCDFs (total)	NA	0.00000070	0.000012	NA	ND(0.00000087)	0.00013	NA
1,2,3,4,6,7,8-HpCDF	NA	0.0000016 J	0.0000036 J	NA	ND(0.00000036)	0.000016	NA
1,2,3,4,7,8,9-HpCDF	NA	ND(0.00000054)	ND(0.00000033)	NA	ND(0.00000041)	0.0000035 J	NA
HpCDFs (total)	NA	0.0000016 J	0.0000066	NA	ND(0.00000041)	0.000042	NA
OCDF	NA	0.0000014 J	ND(0.00000030)	NA	ND(0.00000064)	0.0000066 J	NA

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA9-H2 8-10 01/05/05	RAA9-H4 0-1 10/20/04	RAA9-H5 0-1 01/05/05	RAA9-H5 6-8 01/05/05	RAA9-H5 6-15 01/05/05	RAA9-H6 1-6 01/14/05	RAA9-H6 4-6 01/14/05
Dioxins								
2,3,7,8-TCDD	NA	ND(0.00000028)	ND(0.00000031)	NA	ND(0.00000037)	ND(0.00000046)	NA	
TCDDs (total)	NA	ND(0.00000054)	ND(0.00000031)	NA	ND(0.00000037)	ND(0.00000046)	NA	
1,2,3,7,8-PeCDD	NA	ND(0.00000054)	ND(0.00000096)	NA	ND(0.00000070)	ND(0.00000085)	NA	
PeCDDs (total)	NA	ND(0.00000086)	ND(0.00000096)	NA	ND(0.00000070)	ND(0.00000085)	NA	
1,2,3,4,7,8-HxCDD	NA	ND(0.00000088)	ND(0.00000079)	NA	ND(0.00000073)	ND(0.00000065)	NA	
1,2,3,6,7,8-HxCDD	NA	ND(0.00000078)	ND(0.00000069)	NA	ND(0.00000064)	ND(0.00000062)	NA	
1,2,3,7,8,9-HxCDD	NA	ND(0.00000084)	ND(0.00000070)	NA	ND(0.00000065)	ND(0.00000053)	NA	
HxCDDs (total)	NA	ND(0.0000010)	ND(0.00000079)	NA	ND(0.00000073)	ND(0.0000014)	NA	
1,2,3,4,6,7,8-HpCDD	NA	0.0000025 J	0.0000042 J	NA	ND(0.00000050)	0.0000033 J	NA	
HpCDDs (total)	NA	0.0000051 J	0.0000085	NA	ND(0.00000050)	0.0000033	NA	
OCDD	NA	0.000015	0.000027	NA	ND(0.0000028)	0.000016	NA	
Total TEQs (WHO TEFs)	NA	0.00000093	0.0000013	NA	0.00000092	0.0000038	NA	
Inorganics								
Antimony	NA	ND(6.00)	0.980 J	NA	1.40 J	ND(6.00)	NA	
Arsenic	NA	6.80	6.90	NA	6.00	3.90	NA	
Barium	NA	36.0	50.0	NA	36.0	21.0	NA	
Beryllium	NA	0.360 B	0.290 B	NA	0.260 B	ND(0.50)	NA	
Cadmium	NA	0.300 B	1.30	NA	1.10	ND(0.500)	NA	
Chromium	NA	8.10	9.40	NA	11.0	8.10	NA	
Cobalt	NA	11.0	12.0	NA	11.0	8.10	NA	
Copper	NA	20.0	22.0	NA	19.0	17.0	NA	
Cyanide	NA	ND(1.10)	0.0720 J	NA	ND(0.220) J	ND(0.230)	NA	
Lead	NA	12.0	16.0 J	NA	9.20 J	8.80	NA	
Mercury	NA	ND(0.110)	0.0240 B	NA	ND(0.110)	ND(0.120)	NA	
Nickel	NA	18.0	21.0	NA	21.0	14.0	NA	
Selenium	NA	1.30 J	0.590 B	NA	ND(1.00)	1.60	NA	
Silver	NA	ND(1.00)	0.160 J	NA	ND(1.00) J	ND(1.00)	NA	
Sulfide	NA	140	74.0	NA	5.40 B	ND(5.80)	NA	
Thallium	NA	1.50	5.20	NA	6.10	ND(1.20)	NA	
Tin	NA	ND(10.0)	ND(10.0)	NA	ND(10.0)	ND(10.0)	NA	
Vanadium	NA	9.70	9.20	NA	9.70	6.40	NA	
Zinc	NA	70.0	77.0 J	NA	64.0 J	38.0	NA	

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
 (Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter	RAA9-H7 0-1 01/10/05	RAA9-H7 6-15 01/10/05	RAA9-H7 10-12 01/10/05	RAA9-H15 0-1 02/01/05	RAA9-H15 1-6 02/01/05	RAA9-H15 5-6 02/01/05	RAA9-H16 0-1 01/27/05
Volatile Organics							
1,1,2,2-Tetrachloroethane	ND(0.0054)	NA	ND(0.0058)	ND(0.0056) J	NA	ND(0.0057)	ND(0.0056) J
1,2,3-Trichloropropane	ND(0.0054)	NA	ND(0.0058)	ND(0.0056) J	NA	ND(0.0057)	ND(0.0056) J
2-Butanone	ND(0.011)	NA	ND(0.012)	ND(0.011) J	NA	ND(0.011)	ND(0.011)
Acetone	ND(0.022) J	NA	ND(0.023) J	ND(0.022) J	NA	ND(0.023)	0.098
Benzene	ND(0.0054)	NA	ND(0.0058)	ND(0.0056) J	NA	ND(0.0057)	ND(0.0056)
Ethylbenzene	ND(0.0054)	NA	ND(0.0058)	ND(0.0056) J	NA	ND(0.0057)	0.0071
Methylene Chloride	ND(0.0054)	NA	ND(0.0058)	ND(0.0056) J	NA	ND(0.0057)	ND(0.0056)
Styrene	ND(0.0054)	NA	ND(0.0058)	ND(0.0056) J	NA	ND(0.0057)	ND(0.0056)
Tetrachloroethene	0.017 J	NA	ND(0.0058)	ND(0.0056) J	NA	ND(0.0057)	ND(0.0056)
Toluene	ND(0.0054)	NA	ND(0.0058)	ND(0.0056) J	NA	ND(0.0057)	0.0035 J
Trichloroethene	ND(0.0054)	NA	ND(0.0058)	ND(0.0056) J	NA	ND(0.0057)	ND(0.0056)
Trichlorofluoromethane	ND(0.0054)	NA	ND(0.0058)	ND(0.0056) J	NA	ND(0.0057)	ND(0.0056)
Xylenes (total)	ND(0.0054) J	NA	ND(0.0058) J	ND(0.0056) J	NA	ND(0.0057)	0.022
Semivolatile Organics							
1,2,4,5-Tetrachlorobenzene	ND(0.36)	ND(0.38)	NA	ND(0.38)	ND(0.38)	NA	ND(3.7)
1,2,4-Trichlorobenzene	ND(0.36)	ND(0.38)	NA	ND(0.38)	ND(0.38)	NA	ND(3.7)
1,4-Dichlorobenzene	ND(0.36)	ND(0.38)	NA	ND(0.38)	ND(0.38)	NA	ND(3.7)
2,4-Dimethylphenol	ND(0.36)	ND(0.38)	NA	ND(0.38)	ND(0.38)	NA	ND(3.7)
2-Methylnaphthalene	ND(0.36)	ND(0.38)	NA	ND(0.38)	ND(0.38)	NA	ND(3.7)
Acenaphthene	ND(0.36)	ND(0.38)	NA	ND(0.38)	ND(0.38)	NA	ND(3.7)
Acenaphthylene	ND(0.36)	ND(0.38)	NA	ND(0.38)	ND(0.38)	NA	ND(3.7)
Aniline	ND(0.36) J	ND(0.38) J	NA	ND(0.38) J	ND(0.38) J	NA	ND(3.7) J
Anthracene	ND(0.36)	ND(0.38)	NA	ND(0.38)	ND(0.38)	NA	ND(3.7)
Benzo(a)anthracene	ND(0.36)	ND(0.38)	NA	ND(0.38)	ND(0.38)	NA	ND(3.7)
Benzo(a)pyrene	ND(0.36)	ND(0.38)	NA	ND(0.38)	ND(0.38)	NA	ND(3.7)
Benzo(b)fluoranthene	ND(0.36)	ND(0.38)	NA	ND(0.38)	ND(0.38)	NA	ND(3.7)
Benzo(g,h,i)perylene	ND(0.36)	ND(0.38)	NA	ND(0.38)	ND(0.38)	NA	ND(3.7)
Benzo(k)fluoranthene	ND(0.36)	ND(0.38)	NA	ND(0.38)	ND(0.38)	NA	ND(3.7)
bis(2-Ethylhexyl)phthalate	0.28 J	ND(0.37)	NA	ND(0.37)	ND(0.38)	NA	ND(1.8)
Chrysene	ND(0.36)	ND(0.38)	NA	ND(0.38)	ND(0.38)	NA	ND(3.7)
Dibenz(a,h)anthracene	ND(0.36)	ND(0.38)	NA	ND(0.38)	ND(0.38)	NA	ND(3.7)
Dibenzofuran	ND(0.36)	ND(0.38)	NA	ND(0.38)	ND(0.38)	NA	ND(3.7)
Diethylphthalate	ND(0.36)	ND(0.38)	NA	ND(0.38)	ND(0.38)	NA	ND(3.7)
Dimethylphthalate	ND(0.36)	ND(0.38)	NA	ND(0.38)	ND(0.38)	NA	ND(3.7)
Di-n-Butylphthalate	ND(0.36)	ND(0.38)	NA	ND(0.38)	ND(0.38)	NA	ND(3.7)
Fluoranthene	ND(0.36)	ND(0.38)	NA	ND(0.38)	ND(0.38)	NA	ND(3.7)
Fluorene	ND(0.36)	ND(0.38)	NA	ND(0.38)	ND(0.38)	NA	ND(3.7)
Hexachlorobenzene	ND(0.36)	ND(0.38)	NA	ND(0.38)	ND(0.38)	NA	ND(3.7)
Indeno(1,2,3-cd)pyrene	ND(0.36)	ND(0.38)	NA	ND(0.38)	ND(0.38)	NA	ND(3.7)
Naphthalene	ND(0.36)	ND(0.38)	NA	ND(0.38)	ND(0.38)	NA	ND(3.7)
N-Nitrosopiperidine	ND(0.36)	ND(0.38)	NA	ND(0.38)	ND(0.38)	NA	ND(3.7)
Pentachlorobenzene	ND(0.36)	ND(0.38)	NA	ND(0.38)	ND(0.38)	NA	ND(3.7)
Phenanthrene	ND(0.36)	ND(0.38)	NA	ND(0.38)	ND(0.38)	NA	ND(3.7)
Phenol	ND(0.36)	ND(0.38)	NA	ND(0.38)	ND(0.38)	NA	ND(3.7)
Pyrene	ND(0.36)	ND(0.38)	NA	ND(0.38)	ND(0.38)	NA	ND(3.7)
Furans							
2,3,7,8-TCDF	ND(0.00000053)	ND(0.00000069)	NA	ND(0.00000051)	ND(0.00000062) YQ	NA	ND(0.00000047)
TCDFs (total)	ND(0.00000055)	ND(0.00000069)	NA	ND(0.00000051)	0.0000021	NA	ND(0.00000047)
1,2,3,7,8-PeCDF	ND(0.0000010)	ND(0.0000011)	NA	ND(0.00000033)	ND(0.00000034)	NA	ND(0.00000045)
2,3,4,7,8-PeCDF	ND(0.00000099)	ND(0.0000011)	NA	ND(0.00000036)	ND(0.00000033)	NA	ND(0.00000044)
PeCDFs (total)	ND(0.0000012)	ND(0.0000011)	NA	ND(0.0000027)	ND(0.0000023)	NA	ND(0.0000021)
1,2,3,4,7,8-HxCDF	ND(0.00000079)	ND(0.0000014)	NA	ND(0.00000076)	ND(0.00000065)	NA	ND(0.00000064)
1,2,3,6,7,8-HxCDF	ND(0.00000074)	ND(0.0000013)	NA	ND(0.00000062)	ND(0.00000064)	NA	ND(0.00000060)
1,2,3,7,8,9-HxCDF	ND(0.00000093)	ND(0.0000016)	NA	ND(0.00000078)	ND(0.00000046)	NA	ND(0.00000070)
2,3,4,6,7,8-HxCDF	ND(0.00000081)	ND(0.0000014)	NA	ND(0.00000069)	ND(0.00000048)	NA	ND(0.00000066)
HxCDFs (total)	ND(0.0000013)	ND(0.0000016)	NA	0.0000030	0.0000029	NA	0.0000061
1,2,3,4,6,7,8-HpCDF	ND(0.00000091)	ND(0.0000016)	NA	ND(0.0000020)	ND(0.0000011)	NA	ND(0.0000015)
1,2,3,4,7,8,9-HpCDF	ND(0.0000011)	ND(0.0000019)	NA	ND(0.00000058)	ND(0.00000035)	NA	ND(0.00000031)
HpCDFs (total)	ND(0.0000011)	ND(0.0000019)	NA	ND(0.0000020)	ND(0.0000012)	NA	ND(0.0000015)
OCDF	ND(0.0000019)	ND(0.0000035)	NA	ND(0.0000014)	ND(0.0000010)	NA	ND(0.0000018)

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA9-H7 0-1 01/10/05	RAA9-H7 6-15 01/10/05	RAA9-H7 10-12 01/10/05	RAA9-H15 0-1 02/01/05	RAA9-H15 1-6 02/01/05	RAA9-H15 5-6 02/01/05	RAA9-H16 0-1 01/27/05
Dioxins								
2,3,7,8-TCDD	ND(0.00000069)	ND(0.00000098)	NA	ND(0.00000027)	ND(0.00000025)	NA	ND(0.00000023)	
TCDDs (total)	ND(0.00000069)	ND(0.00000098)	NA	ND(0.00000027)	ND(0.00000025)	NA	ND(0.00000023)	
1,2,3,7,8-PeCDD	ND(0.0000016)	ND(0.0000018)	NA	ND(0.00000043)	ND(0.00000045)	NA	ND(0.00000055)	
PeCDDs (total)	ND(0.0000016)	ND(0.0000018)	NA	ND(0.00000043)	ND(0.00000050)	NA	ND(0.00000055)	
1,2,3,4,7,8-HxCDD	ND(0.0000012)	ND(0.0000022)	NA	ND(0.00000082)	ND(0.00000049)	NA	ND(0.00000054)	
1,2,3,6,7,8-HxCDD	ND(0.0000010)	ND(0.0000020)	NA	ND(0.00000073)	ND(0.00000043)	NA	ND(0.00000047)	
1,2,3,7,8,9-HxCDD	ND(0.0000011)	ND(0.0000020)	NA	ND(0.00000076)	ND(0.00000044)	NA	ND(0.00000048)	
HxCDDs (total)	ND(0.0000012)	ND(0.0000022)	NA	ND(0.00000082)	ND(0.00000049)	NA	ND(0.00000054)	
1,2,3,4,6,7,8-HpCDD	ND(0.0000014)	ND(0.0000029)	NA	0.0000034 J	ND(0.0000017)	NA	ND(0.0000017)	
HpCDDs (total)	ND(0.0000014)	ND(0.0000029)	NA	0.0000066	ND(0.0000017)	NA	ND(0.0000017)	
OCDD	ND(0.0000045)	ND(0.0000041)	NA	0.000029	0.000014	NA	0.000027	
Total TEQs (WHO TEFs)	0.0000018	0.0000024	NA	0.0000078	0.0000067	NA	0.0000076	
Inorganics								
Antimony	ND(6.00)	ND(6.00)	NA	ND(6.00)	ND(6.00)	NA	ND(6.00)	
Arsenic	2.00	6.00	NA	2.90 J	3.80	NA	1.50	
Barium	7.90 B	40.0	NA	230	23.0	NA	ND(20.0)	
Beryllium	0.110 B	0.360 B	NA	0.190 B	0.260 B	NA	0.130 B	
Cadmium	ND(0.500)	0.200 B	NA	0.880	0.740	NA	0.500	
Chromium	ND(3.1)	13.0	NA	22.0	9.90	NA	4.50	
Cobalt	2.80 B	11.0	NA	12.0	8.00	NA	3.90 B	
Copper	5.20	19.0	NA	57.0	15.0	NA	8.00	
Cyanide	ND(0.220)	ND(0.570)	NA	ND(0.110)	ND(0.110)	NA	ND(0.110)	
Lead	3.80	8.40	NA	8.10	7.80	NA	2.30	
Mercury	ND(0.110)	ND(0.110)	NA	ND(0.110)	ND(0.110)	NA	ND(0.110)	
Nickel	ND(5.2)	21.0	NA	18.0	15.0	NA	7.00	
Selenium	1.20 J	3.20 J	NA	ND(1.00) J	ND(1.00) J	NA	ND(1.00) J	
Silver	ND(1.00)	1.40	NA	ND(1.00)	ND(1.00)	NA	ND(1.00)	
Sulfide	10.0	7.20	NA	14.0	7.30	NA	5.30 B	
Thallium	ND(1.10) J	ND(1.10) J	NA	5.40	4.60	NA	2.60 J	
Tin	ND(10.0)	ND(10.0)	NA	ND(10.0)	ND(10.0)	NA	ND(10.0)	
Vanadium	3.20 B	12.0	NA	9.50	9.30	NA	8.10	
Zinc	18.0	65.0	NA	300	58.0	NA	55.0	

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
 (Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter	RAA9-H16 6-15 01/27/05	RAA9-H16 12-14 01/27/05	RAA9-H17 0-1 01/27/05	RAA9-H17 1-3 01/27/05	RAA9-H17 1-6 01/27/05	RAA9-H18 1-3 01/27/05	RAA9-H18 1-6 01/27/05
Volatile Organics							
1,1,2,2-Tetrachloroethane	NA	ND(0.0056)	ND(0.0056)	ND(0.0054)	NA	ND(0.0054)	NA
1,2,3-Trichloropropane	NA	ND(0.0056)	ND(0.0056)	ND(0.0054)	NA	ND(0.0054)	NA
2-Butanone	NA	ND(0.011)	ND(0.011)	ND(0.011)	NA	ND(0.011)	NA
Acetone	NA	ND(0.022)	ND(0.022)	ND(0.021)	NA	0.028	NA
Benzene	NA	ND(0.0056)	ND(0.0056)	ND(0.0054)	NA	ND(0.0054)	NA
Ethylbenzene	NA	ND(0.0056)	0.012	ND(0.0054)	NA	ND(0.0054)	NA
Methylene Chloride	NA	ND(0.0056)	ND(0.0056)	ND(0.0054)	NA	ND(0.0054)	NA
Styrene	NA	ND(0.0056)	ND(0.0056)	ND(0.0054)	NA	ND(0.0054)	NA
Tetrachloroethene	NA	ND(0.0056)	ND(0.0056)	ND(0.0054)	NA	ND(0.0054)	NA
Toluene	NA	ND(0.0056)	ND(0.0056)	ND(0.0054)	NA	ND(0.0054)	NA
Trichloroethene	NA	ND(0.0056)	ND(0.0056)	ND(0.0054)	NA	ND(0.0054)	NA
Trichlorofluoromethane	NA	ND(0.0056)	ND(0.0056)	ND(0.0054)	NA	0.0042 J	NA
Xylenes (total)	NA	ND(0.0056)	0.068	ND(0.0054)	NA	ND(0.0054)	NA
Semivolatile Organics							
1,2,4,5-Tetrachlorobenzene	ND(0.38)	NA	ND(3.7)	NA	ND(0.36)	NA	ND(0.36)
1,2,4-Trichlorobenzene	ND(0.38)	NA	ND(3.7)	NA	ND(0.36)	NA	0.044 J
1,4-Dichlorobenzene	ND(0.38)	NA	ND(3.7)	NA	ND(0.36)	NA	0.095 J
2,4-Dimethylphenol	ND(0.38)	NA	ND(3.7)	NA	ND(0.36)	NA	ND(0.36)
2-Methylnaphthalene	ND(0.38)	NA	ND(3.7)	NA	ND(0.36)	NA	ND(0.36)
Acenaphthene	ND(0.38)	NA	ND(3.7)	NA	ND(0.36)	NA	ND(0.36)
Acenaphthylene	ND(0.38)	NA	ND(3.7)	NA	ND(0.36)	NA	ND(0.36)
Aniline	ND(0.38) J	NA	ND(3.7) J	NA	ND(0.36) J	NA	ND(0.36) J
Anthracene	ND(0.38)	NA	ND(3.7)	NA	ND(0.36)	NA	ND(0.36)
Benz(a)anthracene	0.10 J	NA	ND(3.7)	NA	ND(0.36)	NA	ND(0.36)
Benz(a)pyrene	ND(0.38)	NA	ND(3.7)	NA	ND(0.36)	NA	ND(0.36)
Benz(b)fluoranthene	ND(0.38)	NA	ND(3.7)	NA	ND(0.36)	NA	ND(0.36)
Benzo(g,h,i)perylene	ND(0.38)	NA	ND(3.7)	NA	ND(0.36)	NA	ND(0.36)
Benzo(k)fluoranthene	ND(0.38)	NA	ND(3.7)	NA	ND(0.36)	NA	ND(0.36)
bis(2-Ethylhexyl)phthalate	0.30 J	NA	ND(1.8)	NA	ND(0.36)	NA	ND(0.36)
Chrysene	0.091 J	NA	ND(3.7)	NA	ND(0.36)	NA	ND(0.36)
Dibenzo(a,h)anthracene	ND(0.38)	NA	ND(3.7)	NA	ND(0.36)	NA	ND(0.36)
Dibenzofuran	ND(0.38)	NA	ND(3.7)	NA	ND(0.36)	NA	ND(0.36)
Diethylphthalate	ND(0.38)	NA	ND(3.7)	NA	ND(0.36)	NA	ND(0.36)
Dimethylphthalate	ND(0.38)	NA	ND(3.7)	NA	ND(0.36)	NA	ND(0.36)
Di-n-Butylphthalate	ND(0.38)	NA	ND(3.7)	NA	ND(0.36)	NA	ND(0.36)
Fluoranthene	0.23 J	NA	ND(3.7)	NA	ND(0.36)	NA	0.036 J
Fluorene	ND(0.38)	NA	ND(3.7)	NA	ND(0.36)	NA	ND(0.36)
Hexachlorobenzene	ND(0.38)	NA	ND(3.7)	NA	ND(0.36)	NA	ND(0.36)
Indeno(1,2,3-cd)pyrene	ND(0.38)	NA	ND(3.7)	NA	ND(0.36)	NA	ND(0.36)
Naphthalene	ND(0.38)	NA	ND(3.7)	NA	ND(0.36)	NA	ND(0.36)
N-Nitrosopiperidine	ND(0.38)	NA	ND(3.7)	NA	ND(0.36)	NA	ND(0.36)
Pentachlorobenzene	ND(0.38)	NA	ND(3.7)	NA	ND(0.36)	NA	ND(0.36)
Phenanthrene	ND(0.38)	NA	ND(3.7)	NA	ND(0.36)	NA	ND(0.36)
Phenol	ND(0.38)	NA	ND(3.7)	NA	ND(0.36)	NA	ND(0.36)
Pyrene	0.24 J	NA	ND(3.7)	NA	ND(0.36)	NA	0.036 J
Furans							
2,3,7,8-TCDF	ND(0.00000031)	NA	ND(0.00000033)	NA	0.00000089 Y	NA	0.0000027 Y
TCDFs (total)	ND(0.00000031)	NA	ND(0.00000033)	NA	0.0000023	NA	0.000054
1,2,3,7,8-PeCDF	ND(0.00000035)	NA	ND(0.00000051)	NA	ND(0.00000034)	NA	ND(0.0000012)
2,3,4,7,8-PeCDF	ND(0.00000035)	NA	ND(0.00000051)	NA	ND(0.00000052)	NA	0.0000032 J
PeCDFs (total)	ND(0.00000051)	NA	ND(0.0000015)	NA	0.0000038	NA	0.00010
1,2,3,4,7,8-HxCDF	ND(0.00000071)	NA	ND(0.00000064)	NA	ND(0.00000017)	NA	0.000010
1,2,3,6,7,8-HxCDF	ND(0.00000068)	NA	ND(0.00000062)	NA	ND(0.00000055)	NA	0.0000039 J
1,2,3,7,8,9-HxCDF	ND(0.00000079)	NA	ND(0.00000072)	NA	ND(0.00000063)	NA	ND(0.0000011)
2,3,4,6,7,8-HxCDF	ND(0.00000074)	NA	ND(0.00000068)	NA	ND(0.00000072)	NA	0.0000031 J
HxCDFs (total)	ND(0.0000011)	NA	ND(0.0000015)	NA	0.000017	NA	0.000079
1,2,3,4,6,7,8-HpCDF	ND(0.00000067)	NA	ND(0.00000065)	NA	0.0000054 J	NA	0.000015
1,2,3,4,7,8,9-HpCDF	ND(0.00000055)	NA	ND(0.00000028)	NA	ND(0.00000052)	NA	0.0000029 J
HpCDFs (total)	ND(0.00000067)	NA	ND(0.00000065)	NA	0.000014	NA	0.000031
OCDF	ND(0.0000010)	NA	ND(0.00000063)	NA	0.0000099 J	NA	0.000022

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA9-H16 6-15 01/27/05	RAA9-H16 12-14 01/27/05	RAA9-H17 0-1 01/27/05	RAA9-H17 1-3 01/27/05	RAA9-H17 1-6 01/27/05	RAA9-H18 1-3 01/27/05	RAA9-H18 1-6 01/27/05
Dioxins								
2,3,7,8-TCDD	ND(0.00000024)	NA	ND(0.00000022)	NA	ND(0.00000020)	NA	ND(0.00000033)	
TCDDs (total)	ND(0.00000024)	NA	ND(0.00000022)	NA	ND(0.00000020)	NA	0.0000017	
1,2,3,7,8-PeCDD	ND(0.00000050)	NA	ND(0.00000064)	NA	ND(0.00000050)	NA	ND(0.00000090)	
PeCDDs (total)	ND(0.00000050)	NA	ND(0.00000064)	NA	ND(0.00000050)	NA	ND(0.00000036)	
1,2,3,4,7,8-HxCDD	ND(0.00000078)	NA	ND(0.00000048)	NA	ND(0.00000068)	NA	ND(0.00000071)	
1,2,3,6,7,8-HxCDD	ND(0.00000069)	NA	ND(0.00000042)	NA	ND(0.00000061)	NA	ND(0.00000063)	
1,2,3,7,8,9-HxCDD	ND(0.00000070)	NA	ND(0.00000043)	NA	ND(0.00000060)	NA	ND(0.00000064)	
HxCDDs (total)	ND(0.00000078)	NA	ND(0.00000048)	NA	ND(0.00000068)	NA	ND(0.00000026)	
1,2,3,4,6,7,8-HpCDD	0.0000029 J	NA	ND(0.00000081)	NA	0.000016	NA	0.0000041 J	
HpCDDs (total)	0.0000029	NA	ND(0.00000081)	NA	0.000028	NA	0.0000078	
OCDD	0.000035	NA	0.0000059 J	NA	0.00025	NA	0.000042 J	
Total TEQs (WHO TEFs)	0.00000077	NA	0.00000080	NA	0.000011	NA	0.0000046	
Inorganics								
Antimony	0.930 B	NA	ND(6.00)	NA	ND(6.00)	NA	ND(6.00)	
Arsenic	4.70	NA	3.70	NA	2.80	NA	4.50	
Barium	ND(20.0)	NA	41.0	NA	25.0	NA	26.0	
Beryllium	0.210 B	NA	0.200 B	NA	0.180 B	NA	0.270 B	
Cadmium	1.00	NA	0.920	NA	0.700	NA	0.720	
Chromium	8.40	NA	7.40	NA	8.00	NA	9.90	
Cobalt	7.70	NA	6.60	NA	5.40	NA	8.40	
Copper	14.0	NA	14.0	NA	12.0	NA	14.0	
Cyanide	ND(0.230)	NA	ND(0.110)	NA	ND(0.110)	NA	ND(0.110)	
Lead	6.00	NA	5.10	NA	5.10	NA	9.60	
Mercury	ND(0.110)	NA	ND(0.110)	NA	ND(0.110)	NA	ND(0.110)	
Nickel	14.0	NA	11.0	NA	9.00	NA	14.0	
Selenium	ND(1.00) J	NA	ND(1.00) J	NA	ND(1.00) J	NA	ND(1.00) J	
Silver	ND(1.00)	NA	ND(1.00)	NA	ND(1.00)	NA	ND(1.00)	
Sulfide	ND(5.70)	NA	5.30 B	NA	14.0	NA	7.00	
Thallium	4.40	NA	4.70	NA	3.20 J	NA	3.70	
Tin	ND(10.0)	NA	ND(10.0)	NA	ND(10.0)	NA	ND(10.0)	
Vanadium	6.90	NA	31.0	NA	7.50	NA	9.20	
Zinc	50.0	NA	59.0	NA	41.0	NA	61.0	

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet):	RAA9-H19 6-15 01/25/05	RAA9-H20 0-1 02/01/05	RAA9-H20 1-6 02/01/05	RAA9-H20 4-6 02/01/05	RAA9-H22 0-1 10/29/04	RAA9-H22 1-6 10/29/04
Volatile Organics						
1,1,2,2-Tetrachloroethane	NA	ND(0.0059) J	NA	ND(0.0055)	ND(0.0056)	NA
1,2,3-Trichloropropane	NA	ND(0.0059) J	NA	ND(0.0055)	ND(0.0056)	NA
2-Butanone	NA	ND(0.012)	NA	ND(0.011)	ND(0.011)	NA
Acetone	NA	ND(0.024)	NA	ND(0.022)	ND(0.022)	NA
Benzene	NA	ND(0.0059)	NA	ND(0.0055)	ND(0.0056)	NA
Ethylbenzene	NA	ND(0.0059) J	NA	ND(0.0055)	ND(0.0056)	NA
Methylene Chloride	NA	ND(0.0059)	NA	ND(0.0055)	ND(0.0056)	NA
Styrene	NA	ND(0.0059) J	NA	ND(0.0055)	ND(0.0056)	NA
Tetrachloroethene	NA	ND(0.0059) J	NA	ND(0.0055)	ND(0.0056)	NA
Toluene	NA	0.0068 J	NA	ND(0.0055)	ND(0.0056)	NA
Trichloroethene	NA	ND(0.0059)	NA	ND(0.0055)	ND(0.0056)	NA
Trichlorofluoromethane	NA	ND(0.0059)	NA	ND(0.0055)	ND(0.0056)	NA
Xylenes (total)	NA	ND(0.0059) J	NA	ND(0.0055)	ND(0.0056)	NA
Semivolatile Organics						
1,2,4,5-Tetrachlorobenzene	NA	ND(0.39)	ND(0.36)	NA	ND(0.37)	ND(0.37) [ND(0.38)]
1,2,4-Trichlorobenzene	NA	ND(0.39)	ND(0.36)	NA	ND(0.37)	ND(0.37) [ND(0.38)]
1,4-Dichlorobenzene	NA	ND(0.39)	ND(0.36)	NA	ND(0.37)	ND(0.37) [ND(0.38)]
2,4-Dimethylphenol	NA	ND(0.39)	ND(0.36)	NA	ND(0.37)	ND(0.37) [ND(0.38)]
2-Methylnaphthalene	NA	ND(0.39)	ND(0.36)	NA	ND(0.37)	ND(0.37) [ND(0.38)]
Acenaphthene	NA	ND(0.39)	ND(0.36)	NA	ND(0.37)	ND(0.37) [ND(0.38)]
Acenaphthylene	NA	ND(0.39)	ND(0.36)	NA	0.28 J	ND(0.37) [ND(0.38)]
Aniline	NA	ND(0.39) J	ND(0.36) J	NA	ND(0.37)	ND(0.37) [ND(0.38)]
Anthracene	NA	ND(0.39)	ND(0.36)	NA	0.13 J	ND(0.37) [ND(0.38)]
Benzo(a)anthracene	NA	ND(0.39)	ND(0.36)	NA	0.27 J	ND(0.37) [ND(0.38)]
Benzo(a)pyrene	NA	ND(0.39)	ND(0.36)	NA	0.28 J	ND(0.37) [ND(0.38)]
Benzo(b)fluoranthene	NA	ND(0.39)	ND(0.36)	NA	0.098 J	ND(0.37) [ND(0.38)]
Benzo(g,h,i)perylene	NA	ND(0.39)	ND(0.36)	NA	ND(0.37)	ND(0.37) [ND(0.38)]
Benzo(k)fluoranthene	NA	ND(0.39)	ND(0.36)	NA	0.22 J	ND(0.37) [ND(0.38)]
bis(2-Ethylhexyl)phthalate	NA	ND(0.39)	ND(0.36)	NA	ND(0.37)	ND(0.37) [ND(0.37)]
Chrysene	NA	ND(0.39)	ND(0.36)	NA	0.34 J	ND(0.37) [ND(0.38)]
Dibenzo(a,h)anthracene	NA	ND(0.39)	ND(0.36)	NA	ND(0.37)	ND(0.37) [ND(0.38)]
Dibenzofuran	NA	ND(0.39)	ND(0.36)	NA	ND(0.37)	ND(0.37) [ND(0.38)]
Diethylphthalate	NA	ND(0.39)	ND(0.36)	NA	ND(0.37)	ND(0.37) [ND(0.38)]
Dimethylphthalate	NA	ND(0.39)	ND(0.36)	NA	ND(0.37)	ND(0.37) [ND(0.38)]
Di-n-Butylphthalate	NA	ND(0.39)	ND(0.36)	NA	ND(0.37)	ND(0.37) [ND(0.38)]
Fluoranthene	NA	0.059 J	ND(0.36)	NA	0.70	ND(0.37) [ND(0.38)]
Fluorene	NA	ND(0.39)	ND(0.36)	NA	ND(0.37)	ND(0.37) [ND(0.38)]
Hexachlorobenzene	NA	ND(0.39)	ND(0.36)	NA	ND(0.37)	ND(0.37) [ND(0.38)]
Indeno(1,2,3-cd)pyrene	NA	ND(0.39)	ND(0.36)	NA	ND(0.37)	ND(0.37) [ND(0.38)]
Naphthalene	NA	ND(0.39)	ND(0.36)	NA	ND(0.37)	ND(0.37) [ND(0.38)]
N-Nitrosopiperidine	NA	ND(0.39)	ND(0.36)	NA	ND(0.37)	ND(0.37) [ND(0.38)]
Pentachlorobenzene	NA	ND(0.39)	ND(0.36)	NA	ND(0.37)	ND(0.37) [ND(0.38)]
Phenanthrene	NA	ND(0.39)	ND(0.36)	NA	0.085 J	ND(0.37) [ND(0.38)]
Phenol	NA	0.25 J	ND(0.36)	NA	ND(0.37)	ND(0.37) [ND(0.38)]
Pyrene	NA	0.053 J	ND(0.36)	NA	0.47	ND(0.37) [ND(0.38)]
Furans						
2,3,7,8-TCDF	ND(0.00000036)	0.0000010 JY	ND(0.00000015)	NA	ND(0.00000038) Y	ND(0.00000012) [ND(0.00000011)]
TCDFs (total)	ND(0.00000036)	0.0000069	ND(0.00000015)	NA	0.0000012	ND(0.00000012) [ND(0.00000011)]
1,2,3,7,8-PeCDF	ND(0.00000071)	ND(0.00000054)	ND(0.00000029)	NA	ND(0.00000031)	ND(0.00000096) [ND(0.00000096)]
2,3,4,7,8-PeCDF	ND(0.00000068)	ND(0.00000052)	ND(0.00000028)	NA	ND(0.00000071)	ND(0.00000011) [ND(0.00000096)]
PeCDFs (total)	ND(0.00000072)	0.0000032	ND(0.00000029)	NA	0.0000056	ND(0.00000016) [ND(0.00000016)]
1,2,3,4,7,8-HxCDF	ND(0.00000058)	ND(0.00000097)	ND(0.00000025)	NA	ND(0.00000011)	ND(0.00000012) [ND(0.00000012)]
1,2,3,6,7,8-HxCDF	ND(0.00000054)	ND(0.00000074)	ND(0.00000024)	NA	ND(0.00000091)	ND(0.00000011) [ND(0.00000011)]
1,2,3,7,8,9-HxCDF	ND(0.00000069)	ND(0.00000042)	ND(0.00000030)	NA	ND(0.00000027)	ND(0.00000012) [ND(0.00000012)]
2,3,4,6,7,8-HxCDF	ND(0.00000060)	ND(0.00000081)	ND(0.00000026)	NA	ND(0.00000019)	ND(0.00000011) [ND(0.00000011)]
HxCDFs (total)	ND(0.00000069)	0.0000080	ND(0.00000030)	NA	0.0000030	ND(0.00000012) [ND(0.00000012)]
1,2,3,4,6,7,8-HpCDF	ND(0.00000072)	0.0000041 J	ND(0.00000023)	NA	0.0000072	ND(0.00000023) [ND(0.00000027)]
1,2,3,4,7,8,9-HpCDF	ND(0.00000088)	ND(0.00000037)	ND(0.00000027)	NA	ND(0.00000066)	ND(0.00000014) [ND(0.00000014)]
HpCDFs (total)	ND(0.00000088)	0.0000092	ND(0.00000027)	NA	0.000015	ND(0.00000023) [ND(0.00000027)]
OCDF	ND(0.00000099)	0.0000071 J	ND(0.00000034)	NA	ND(0.00000053)	ND(0.00000035) [ND(0.00000041)]

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA9-H19 6-15 01/25/05	RAA9-H20 0-1 02/01/05	RAA9-H20 1-6 02/01/05	RAA9-H20 4-6 02/01/05	RAA9-H22 0-1 10/29/04	RAA9-H22 1-6 10/29/04
Dioxins							
2,3,7,8-TCDD	ND(0.00000056)	ND(0.00000026)	ND(0.00000021)	NA	ND(0.00000013)	ND(0.00000012) [ND(0.00000012)]	
TCDDs (total)	ND(0.00000056)	ND(0.00000026)	ND(0.00000021)	NA	ND(0.00000013)	ND(0.00000012) [ND(0.00000012)]	
1,2,3,7,8-PeCDD	ND(0.000010)	ND(0.00000055)	ND(0.00000043)	NA	ND(0.00000033)	ND(0.00000020) [ND(0.00000018)]	
PeCDDs (total)	ND(0.000010)	ND(0.00000072)	ND(0.00000043)	NA	ND(0.00000033)	ND(0.00000020) [ND(0.00000018)]	
1,2,3,4,7,8-HxCDD	ND(0.00000078)	ND(0.00000040)	ND(0.00000034)	NA	ND(0.00000049)	ND(0.00000020) [ND(0.00000020)]	
1,2,3,6,7,8-HxCDD	ND(0.00000070)	ND(0.00000040)	ND(0.00000029)	NA	ND(0.00000066)	ND(0.00000017) [ND(0.00000017)]	
1,2,3,7,8,9-HxCDD	ND(0.00000071)	ND(0.00000042)	ND(0.00000030)	NA	ND(0.00000065)	ND(0.00000018) [ND(0.00000017)]	
HxCDDs (total)	ND(0.00000078)	ND(0.0000014)	ND(0.00000034)	NA	ND(0.0000015)	ND(0.00000020) [ND(0.00000020)]	
1,2,3,4,6,7,8-HpCDD	ND(0.00000097)	0.000011	ND(0.00000029)	NA	0.0000068	ND(0.00000028) [ND(0.00000075)]	
HpCDDs (total)	ND(0.00000097)	0.000024	ND(0.00000029)	NA	0.000014	ND(0.00000030) [ND(0.00000075)]	
OCDD	ND(0.000013)	0.000096	ND(0.0000018)	NA	0.000054	ND(0.0000028) J [0.0000078 J]	
Total TEQs (WHO TEFs)	0.0000012	0.0000010	0.00000051	NA	0.00000088	0.00000025 [0.00000024]	
Inorganics							
Antimony	NA	ND(6.00)	ND(6.00)	NA	ND(6.00)	ND(6.00) [ND(6.00)]	
Arsenic	NA	4.40	4.20	NA	5.90	4.50 [4.30]	
Barium	NA	21.0	20.0 B	NA	23.0	26.0 [24.0]	
Beryllium	NA	0.250 B	0.220 B	NA	0.310 B	0.320 B [0.350 B]	
Cadmium	NA	0.800	0.700	NA	0.130 B	ND(0.500) [0.170 B]	
Chromium	NA	8.70	7.70	NA	6.80	6.50 [8.80]	
Cobalt	NA	9.20	8.20	NA	7.20	9.10 [8.20]	
Copper	NA	16.0	15.0	NA	16.0	14.0 [14.0]	
Cyanide	NA	0.0430 B	ND(0.110)	NA	0.0530 B	0.0290 B [0.0270 B]	
Lead	NA	10.0	6.00	NA	12.0	7.80 [8.60]	
Mercury	NA	0.0120 B	ND(0.110)	NA	ND(0.110)	ND(0.110) [ND(0.110)]	
Nickel	NA	16.0	14.0	NA	14.0	13.0 [13.0]	
Selenium	NA	ND(1.00) J	ND(1.00) J	NA	ND(1.00)	ND(1.00) [ND(1.00)]	
Silver	NA	ND(1.00)	ND(1.00)	NA	ND(1.00)	ND(1.00) [ND(1.00)]	
Sulfide	NA	5.60 B	5.20 B	NA	16.0	ND(5.60) [ND(5.70)]	
Thallium	NA	4.10	4.40	NA	1.00 B	0.980 B [ND(1.10)]	
Tin	NA	ND(10.0)	ND(10.0)	NA	ND(10.0)	ND(10.0) [ND(10.0)]	
Vanadium	NA	10.0	7.10	NA	8.70	6.80 [7.90]	
Zinc	NA	58.0	49.0	NA	40.0	46.0 [41.0]	

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter Date Collected:	RAA9-H22 4-6 10/29/04	RAA9-H22 6-8 10/29/04	RAA9-H22 6-15 10/29/04	RAA9-I3 0-1 10/20/04	RAA9-I4 1-6 10/22/04	RAA9-I4 5-6 10/22/04
Volatile Organics						
1,1,2,2-Tetrachloroethane	ND(0.0056) [ND(0.0056)]	ND(0.0059)	NA	ND(0.0062)	NA	ND(0.0055)
1,2,3-Trichloropropane	ND(0.0056) [ND(0.0056)]	ND(0.0059)	NA	ND(0.0062)	NA	ND(0.0055)
2-Butanone	ND(0.011) [ND(0.011)]	ND(0.012)	NA	ND(0.012)	NA	ND(0.011)
Acetone	ND(0.022) [ND(0.023)]	ND(0.024)	NA	ND(0.025)	NA	ND(0.022)
Benzene	ND(0.0056) [ND(0.0056)]	ND(0.0059)	NA	ND(0.0062)	NA	ND(0.0055)
Ethylbenzene	ND(0.0056) [ND(0.0056)]	ND(0.0059)	NA	ND(0.0062)	NA	ND(0.0055)
Methylene Chloride	ND(0.0056) [ND(0.0056)]	ND(0.0059)	NA	ND(0.0062)	NA	ND(0.0055)
Styrene	ND(0.0056) [ND(0.0056)]	ND(0.0059)	NA	ND(0.0062)	NA	ND(0.0055)
Tetrachloroethylene	ND(0.0056) [ND(0.0056)]	ND(0.0059)	NA	ND(0.0062)	NA	ND(0.0055)
Toluene	ND(0.0056) [ND(0.0056)]	ND(0.0059)	NA	ND(0.0062)	NA	ND(0.0055)
Trichloroethylene	ND(0.0056) [ND(0.0056)]	ND(0.0059)	NA	ND(0.0062)	NA	ND(0.0055)
Trichlorofluoromethane	ND(0.0056) [ND(0.0056)]	ND(0.0059)	NA	ND(0.0062)	NA	ND(0.0055)
Xylenes (total)	ND(0.0056) [ND(0.0056)]	ND(0.0059)	NA	ND(0.0062)	NA	ND(0.0055)
Semivolatile Organics						
1,2,4,5-Tetrachlorobenzene	NA	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
1,2,4-Trichlorobenzene	NA	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
1,4-Dichlorobenzene	NA	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
2,4-Dimethylphenol	NA	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
2-Methylnaphthalene	NA	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
Acenaphthene	NA	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
Acenaphthylene	NA	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
Aniline	NA	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
Anthracene	NA	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
Benzo(a)anthracene	NA	NA	ND(0.40)	0.16 J	ND(0.37)	NA
Benzo(a)pyrene	NA	NA	ND(0.40)	0.084 J	ND(0.37)	NA
Benzo(b)fluoranthene	NA	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
Benzo(g,h,i)perylene	NA	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
Benzo(k)fluoranthene	NA	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
bis(2-Ethylhexyl)phthalate	NA	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
Chrysene	NA	NA	ND(0.40)	0.29 J	ND(0.37)	NA
Dibenzo(a,h)anthracene	NA	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
Dibenzofuran	NA	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
Diethylphthalate	NA	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
Dimethylphthalate	NA	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
Di-n-Butylphthalate	NA	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
Fluoranthene	NA	NA	ND(0.40)	0.68	ND(0.37)	NA
Fluorene	NA	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
Hexachlorobenzene	NA	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
Indeno(1,2,3-cd)pyrene	NA	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
Naphthalene	NA	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
N-Nitrosopiperidine	NA	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
Pentachlorobenzene	NA	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
Phenanthrene	NA	NA	ND(0.40)	0.38 J	ND(0.37)	NA
Phenol	NA	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
Pyrene	NA	NA	ND(0.40)	0.63	ND(0.37)	NA
Furans						
2,3,7,8-TCDF	NA	NA	ND(0.00000012)	0.000023 Y	ND(0.00000026)	NA
TCDFs (total)	NA	NA	ND(0.00000012)	0.00027 QI	ND(0.00000026)	NA
1,2,3,7,8-PeCDF	NA	NA	ND(0.00000012)	0.000012	ND(0.00000045)	NA
2,3,4,7,8-PeCDF	NA	NA	ND(0.00000012)	0.000059	ND(0.00000043)	NA
PeCDFs (total)	NA	NA	ND(0.00000013)	0.0012 Q	ND(0.00000045)	NA
1,2,3,4,7,8-HxCDF	NA	NA	ND(0.00000013)	0.000013	ND(0.00000049)	NA
1,2,3,6,7,8-HxCDF	NA	NA	ND(0.00000011)	0.000058	ND(0.00000047)	NA
1,2,3,7,8,9-HxCDF	NA	NA	ND(0.00000014)	0.000029	ND(0.00000058)	NA
2,3,4,6,7,8-HxCDF	NA	NA	ND(0.00000012)	0.00020	ND(0.00000052)	NA
HxCDFs (total)	NA	NA	ND(0.00000014)	0.0030	ND(0.00000058)	NA
1,2,3,4,6,7,8-HpCDF	NA	NA	ND(0.00000023)	0.00045	ND(0.00000039)	NA
1,2,3,4,7,8,9-HpCDF	NA	NA	ND(0.00000019)	0.000054	ND(0.00000039)	NA
HpCDFs (total)	NA	NA	ND(0.00000023)	0.0011	ND(0.00000039)	NA
OCDF	NA	NA	ND(0.00000038)	0.00017	ND(0.00000065)	NA

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA9-H22 4-6 10/29/04	RAA9-H22 6-8 10/29/04	RAA9-H22 6-15 10/29/04	RAA9-I3 0-1 10/20/04	RAA9-I4 1-6 10/22/04	RAA9-I4 5-6 10/22/04
Dioxins							
2,3,7,8-TCDD	NA	NA	ND(0.00000013)	ND(0.0000029) X	ND(0.00000034)	NA	
TCDDs (total)	NA	NA	ND(0.00000013)	0.000031	ND(0.00000034)	NA	
1,2,3,7,8-PeCDD	NA	NA	ND(0.00000023)	0.000030	ND(0.00000070)	NA	
PeCDGs (total)	NA	NA	ND(0.00000024)	0.00020 Q	ND(0.00000070)	NA	
1,2,3,4,7,8-HxCDD	NA	NA	ND(0.00000017)	0.000024	ND(0.00000061)	NA	
1,2,3,6,7,8-HxCDD	NA	NA	ND(0.00000013)	0.000031	ND(0.00000055)	NA	
1,2,3,7,8,9-HxCDD	NA	NA	ND(0.00000014)	0.000028	ND(0.00000056)	NA	
HxCDDs (total)	NA	NA	ND(0.00000017)	0.00047	ND(0.00000061)	NA	
1,2,3,4,6,7,8-HpCDD	NA	NA	ND(0.00000025)	0.000097	ND(0.00000057)	NA	
HpCDDs (total)	NA	NA	ND(0.00000025)	0.00025	ND(0.00000057)	NA	
OCDD	NA	NA	0.000015	0.00029	ND(0.0000026)	NA	
Total TEQs (WHO TEFs)	NA	NA	0.00000027	0.00012	0.00000085	NA	
Inorganics							
Antimony	NA	NA	ND(6.00)	ND(6.00)	ND(6.00)	NA	
Arsenic	NA	NA	2.90	5.40	3.80	NA	
Barium	NA	NA	21.0	37.0	15.0 B	NA	
Beryllium	NA	NA	0.180 B	0.410 B	0.300 B	NA	
Cadmium	NA	NA	0.120 B	0.910	ND(0.500)	NA	
Chromium	NA	NA	5.50	7.20	4.90	NA	
Cobalt	NA	NA	6.20	6.60	6.20	NA	
Copper	NA	NA	12.0	38.0	13.0	NA	
Cyanide	NA	NA	0.0200 B	0.230 B	ND(0.110)	NA	
Lead	NA	NA	4.60	21.0	6.40	NA	
Mercury	NA	NA	ND(0.120)	0.0690 B	ND(0.110)	NA	
Nickel	NA	NA	11.0	13.0	9.80	NA	
Selenium	NA	NA	ND(1.00)	ND(1.00) J	ND(1.00) J	NA	
Silver	NA	NA	ND(1.00)	2.20	ND(1.00)	NA	
Sulfide	NA	NA	ND(6.00)	420	11.0	NA	
Thallium	NA	NA	ND(1.20)	1.10 B	ND(1.10)	NA	
Tin	NA	NA	ND(10.0)	ND(10.0)	ND(10.0)	NA	
Vanadium	NA	NA	5.70	8.60	5.50	NA	
Zinc	NA	NA	35.0	140	27.0	NA	

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
 (Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter	RAA9-I5 0-1 10/22/04	RAA9-I9 0-1 01/14/05	RAA9-I12 6-15 01/28/05	RAA9-I12 14-15 01/28/05	RAA9-I14 1-3 01/27/05	RAA9-I14 1-6 01/27/05
Volatile Organics						
1,1,2,2-Tetrachloroethane	ND(0.0059)	ND(0.0055)	NA	ND(0.0055)	ND(0.0057)	NA
1,2,3-Trichloropropane	ND(0.0059)	ND(0.0055)	NA	ND(0.0055)	ND(0.0057)	NA
2-Butanone	ND(0.012)	ND(0.011)	NA	ND(0.011)	ND(0.011)	NA
Acetone	ND(0.024)	ND(0.022)	NA	ND(0.022)	ND(0.023)	NA
Benzene	ND(0.0059)	ND(0.0055)	NA	ND(0.0055)	ND(0.0057)	NA
Ethylbenzene	ND(0.0059)	ND(0.0055)	NA	ND(0.0055)	ND(0.0057)	NA
Methylene Chloride	ND(0.0059)	ND(0.0055)	NA	ND(0.0055)	ND(0.0057)	NA
Styrene	ND(0.0059)	ND(0.0055)	NA	ND(0.0055)	ND(0.0057)	NA
Tetrachloroethene	ND(0.0059)	ND(0.0055)	NA	ND(0.0055)	ND(0.0057)	NA
Toluene	ND(0.0059)	ND(0.0055)	NA	ND(0.0055)	ND(0.0057)	NA
Trichloroethene	ND(0.0059)	ND(0.0055)	NA	ND(0.0055)	ND(0.0057)	NA
Trichlorofluoromethane	ND(0.0059)	ND(0.0055)	NA	ND(0.0055)	ND(0.0057) J	NA
Xylenes (total)	ND(0.0059)	ND(0.0055)	NA	ND(0.0055)	ND(0.0057)	NA
Semivolatile Organics						
1,2,4,5-Tetrachlorobenzene	ND(0.39)	ND(0.37)	ND(0.36)	NA	NA	ND(0.37)
1,2,4-Trichlorobenzene	ND(0.39)	ND(0.37)	ND(0.36)	NA	NA	ND(0.37)
1,4-Dichlorobenzene	ND(0.39)	ND(0.37)	ND(0.36)	NA	NA	ND(0.37)
2,4-Dimethylphenol	ND(0.39)	ND(0.37)	ND(0.36)	NA	NA	ND(0.37)
2-Methylnaphthalene	ND(0.39)	ND(0.37)	ND(0.36)	NA	NA	0.075 J
Acenaphthene	ND(0.39)	ND(0.37)	ND(0.36)	NA	NA	0.16 J
Acenaphthylene	ND(0.39)	ND(0.37)	ND(0.36)	NA	NA	0.40
Aniline	ND(0.39)	ND(0.37) J	ND(0.36) J	NA	NA	ND(0.37) J
Anthracene	ND(0.39)	ND(0.37)	ND(0.36)	NA	NA	0.60
Benzo(a)anthracene	0.12 J	0.053 J	0.043 J	NA	NA	1.0
Benzo(a)pyrene	ND(0.39)	0.052 J	ND(0.36)	NA	NA	0.78
Benzo(b)fluoranthene	ND(0.39)	0.035 J	ND(0.36)	NA	NA	0.58
Benzo(g,h,i)perylene	ND(0.39)	ND(0.37)	ND(0.36)	NA	NA	0.37
Benzo(k)fluoranthene	ND(0.39)	0.042 J	ND(0.36)	NA	NA	0.63
bis(2-Ethylhexyl)phthalate	ND(0.39)	ND(0.36)	ND(0.36)	NA	NA	ND(0.36)
Chrysene	0.16 J	0.059 J	0.043 J	NA	NA	1.0
Dibenzo(a,h)anthracene	ND(0.39)	ND(0.37)	ND(0.36)	NA	NA	0.14 J
Dibenzofuran	ND(0.39)	ND(0.37)	ND(0.36)	NA	NA	0.10 J
Diethylphthalate	ND(0.39)	ND(0.37)	ND(0.36)	NA	NA	ND(0.37)
Dimethylphthalate	ND(0.39)	ND(0.37)	ND(0.36)	NA	NA	ND(0.37)
Di-n-Butylphthalate	ND(0.39)	ND(0.37)	ND(0.36)	NA	NA	ND(0.37)
Fluoranthene	0.34 J	0.12 J	0.051 J	NA	NA	2.1
Fluorene	ND(0.39)	ND(0.37)	ND(0.36)	NA	NA	0.42
Hexachlorobenzene	ND(0.39)	ND(0.37)	ND(0.36)	NA	NA	ND(0.37)
Indeno(1,2,3-cd)pyrene	ND(0.39)	ND(0.37)	ND(0.36)	NA	NA	0.34 J
Naphthalene	ND(0.39)	ND(0.37)	ND(0.36)	NA	NA	ND(0.37)
N-Nitrosopiperidine	ND(0.39)	ND(0.37)	ND(0.36)	NA	NA	ND(0.37)
Pentachlorobenzene	ND(0.39)	ND(0.37)	ND(0.36)	NA	NA	ND(0.37)
Phenanthrene	0.20 J	0.070 J	ND(0.36)	NA	NA	2.1
Phenol	ND(0.39)	ND(0.37)	ND(0.36)	NA	NA	ND(0.37)
Pyrene	0.29 J	0.11 J	0.051 J	NA	NA	2.2
Furans						
2,3,7,8-TCDF	0.000023 Y	0.0000066 Y	ND(0.00000083) [ND(0.00000084)]	NA	NA	0.0000022 Y
TCDFs (total)	0.00011	0.000049	ND(0.00000083) [ND(0.00000084)]	NA	NA	0.000015
1,2,3,7,8-PeCDF	0.000011	0.0000041 J	ND(0.0000022) [ND(0.0000023)]	NA	NA	ND(0.00000088)
2,3,4,7,8-PeCDF	0.000013	0.0000090	ND(0.0000021) [ND(0.0000022)]	NA	NA	ND(0.0000011)
PeCDFs (total)	0.00023	0.00024	ND(0.0000023) [ND(0.0000023)]	NA	NA	0.000022
1,2,3,4,7,8-HxCDF	0.000030	0.000022 J	ND(0.0000014) [ND(0.0000016)]	NA	NA	ND(0.0000027)
1,2,3,6,7,8-HxCDF	0.000023 I	0.000023 J	ND(0.0000014) [ND(0.0000015)]	NA	NA	ND(0.0000010)
1,2,3,7,8,9-HxCDF	ND(0.00000069)	ND(0.00000061)	ND(0.0000017) [ND(0.0000018)]	NA	NA	ND(0.0000012)
2,3,4,6,7,8-HxCDF	0.000023	0.000023	ND(0.0000015) [ND(0.0000016)]	NA	NA	ND(0.0000018)
HxCDFs (total)	0.000052	0.000072	ND(0.0000017) [ND(0.0000018)]	NA	NA	0.000038
1,2,3,4,6,7,8-HpCDF	0.000068	0.000069 J	ND(0.00000096) [ND(0.0000012)]	NA	NA	0.0000078
1,2,3,4,7,8,9-HpCDF	0.000011	0.000010	ND(0.0000012) [ND(0.0000015)]	NA	NA	ND(0.0000011)
HpCDFs (total)	0.00016	0.00017	ND(0.0000012) [ND(0.0000015)]	NA	NA	0.000018
OCDF	0.000041	0.000031	ND(0.0000023) [ND(0.0000019)]	NA	NA	0.000011 J

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
 (Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter	RAA9-I5 0-1 10/22/04	RAA9-I9 0-1 01/14/05	RAA9-I12 6-15 01/28/05	RAA9-I12 14-15 01/28/05	RAA9-I14 1-3 01/27/05	RAA9-I14 1-6 01/27/05
Dioxins						
2,3,7,8-TCDD	ND(0.00000047)	ND(0.00000053)	ND(0.00000072) [ND(0.00000089)]	NA	NA	ND(0.00000038)
TCDDs (total)	0.0000046	0.00000097	ND(0.00000072) [ND(0.00000089)]	NA	NA	ND(0.00000038)
1,2,3,7,8-PeCDD	ND(0.0000013)	ND(0.0000012)	ND(0.0000027) [ND(0.0000031)]	NA	NA	ND(0.00000095)
PeCDDs (total)	ND(0.0000040)	ND(0.0000023)	ND(0.0000027) [ND(0.0000031)]	NA	NA	ND(0.00000095)
1,2,3,4,7,8-HxCDD	ND(0.0000012)	ND(0.0000015)	ND(0.0000020) [ND(0.0000021)]	NA	NA	ND(0.00000073)
1,2,3,6,7,8-HxCDD	ND(0.0000022)	ND(0.0000025)	ND(0.0000018) [ND(0.0000019)]	NA	NA	ND(0.00000063)
1,2,3,7,8,9-HxCDD	ND(0.0000022)	ND(0.0000024)	ND(0.0000018) [ND(0.0000019)]	NA	NA	ND(0.00000065)
HxCDDs (total)	0.000014	0.000015	ND(0.0000020) [ND(0.0000021)]	NA	NA	ND(0.00000086)
1,2,3,4,6,7,8-HpCDD	0.000014	0.000028	ND(0.0000018) [ND(0.0000023)]	NA	NA	0.0000097
HpCDDs (total)	0.000030	0.000054	ND(0.0000018) [ND(0.0000023)]	NA	NA	0.000017
OCDD	0.000084	0.000017	ND(0.0000021) [ND(0.0000019)]	NA	NA	0.00011
Total TEQs (WHO TEFs)	0.000019	0.000014	0.0000029 [0.0000033]	NA	NA	0.0000018
Inorganics						
Antimony	ND(6.00)	ND(6.00)	1.70 B	NA	NA	ND(6.00)
Arsenic	6.00	2.10	2.60	NA	NA	3.70
Barium	31.0	24.0	ND(20.0)	NA	NA	32.0
Beryllium	0.340 B	ND(0.50)	0.160 B	NA	NA	0.250 B
Cadmium	0.190 B	ND(0.50)	0.610	NA	NA	0.880
Chromium	7.30	8.00	5.20	NA	NA	9.80
Cobalt	7.70	6.40	5.10	NA	NA	7.40
Copper	22.0	36.0	8.40	NA	NA	16.0
Cyanide	ND(1.20)	0.0700 B	0.0690 B	NA	NA	ND(0.110)
Lead	31.0	20.0	4.70	NA	NA	7.40
Mercury	0.0430 B	0.0460 B	ND(0.110)	NA	NA	ND(0.110)
Nickel	14.0	12.0	8.10	NA	NA	12.0
Selenium	0.970 J	0.960 B	ND(1.00)	NA	NA	ND(1.00) J
Silver	ND(1.00)	0.140 B	ND(1.00)	NA	NA	ND(1.00)
Sulfide	57.0	5.30 B	ND(5.50)	NA	NA	ND(5.50)
Thallium	1.20	ND(1.10)	2.80 J	NA	NA	4.80
Tin	ND(10.0)	ND(10.0)	ND(10.0)	NA	NA	ND(10.0)
Vanadium	8.80	9.10	5.40	NA	NA	9.10
Zinc	57.0	60.0	15.0	NA	NA	50.0

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter	RAA9-I17 0-1 02/04/05	RAA9-I20 0-1 02/04/05	RAA9-I23 6-15 10/27/04	RAA9-I23 12-14 10/27/04	RAA9-J3 0-1 10/22/04	RAA9-J3 1-6 10/22/04	RAA9-J3 5-6 10/22/04
Volatile Organics							
1,1,2,2-Tetrachloroethane	ND(0.0063)	R	NA	ND(0.0054)	ND(0.0056)	NA	ND(0.0060)
1,2,3-Trichloropropane	ND(0.0063)	R	NA	ND(0.0054)	ND(0.0056)	NA	ND(0.0060)
2-Butanone	ND(0.013)	ND(0.011)	NA	ND(0.011)	ND(0.011)	NA	ND(0.012)
Acetone	ND(0.025)	ND(0.022)	NA	ND(0.022) J	ND(0.022)	NA	ND(0.024)
Benzene	ND(0.0063)	ND(0.0054)	NA	ND(0.0054)	ND(0.0056)	NA	ND(0.0060)
Ethylbenzene	ND(0.0063)	ND(0.0054) J	NA	ND(0.0054)	ND(0.0056)	NA	ND(0.0060)
Methylene Chloride	ND(0.0063)	ND(0.0054)	NA	ND(0.0054)	ND(0.0056)	NA	ND(0.0060)
Styrene	ND(0.0063)	ND(0.0054) J	NA	ND(0.0054)	ND(0.0056)	NA	ND(0.0060)
Tetrachloroethene	ND(0.0063)	ND(0.0054) J	NA	ND(0.0054)	ND(0.0056)	NA	ND(0.0060)
Toluene	ND(0.0063)	ND(0.0054) J	NA	ND(0.0054)	ND(0.0056)	NA	ND(0.0060)
Trichloroethene	ND(0.0063)	ND(0.0054)	NA	ND(0.0054)	ND(0.0056)	NA	ND(0.0060)
Trichlorofluoromethane	ND(0.0063)	ND(0.0054)	NA	ND(0.0054)	ND(0.0056)	NA	ND(0.0060)
Xylenes (total)	ND(0.0063)	ND(0.0054) J	NA	ND(0.0054)	ND(0.0056)	NA	ND(0.0060)
Semivolatile Organics							
1,2,4,5-Tetrachlorobenzene	ND(0.42)	ND(3.6)	ND(0.38)	NA	ND(0.37)	ND(0.39)	NA
1,2,4-Trichlorobenzene	ND(0.42)	ND(3.6)	ND(0.38)	NA	ND(0.37)	ND(0.39)	NA
1,4-Dichlorobenzene	ND(0.42)	ND(3.6)	ND(0.38)	NA	ND(0.37)	ND(0.39)	NA
2,4-Dimethylphenol	ND(0.42)	ND(3.6)	ND(0.38)	NA	ND(0.37)	ND(0.39)	NA
2-Methylnaphthalene	ND(0.42)	ND(3.6)	ND(0.38)	NA	0.19 J	ND(0.39)	NA
Acenaphthene	ND(0.42)	ND(3.6)	ND(0.38)	NA	0.56	ND(0.39)	NA
Acenaphthylene	ND(0.42)	ND(3.6)	ND(0.38)	NA	0.20 J	ND(0.39)	NA
Aniline	ND(0.42) J	ND(3.6) J	ND(0.38)	NA	ND(0.37)	ND(0.39)	NA
Anthracene	ND(0.42)	ND(3.6)	ND(0.38)	NA	1.2	ND(0.39)	NA
Benzo(a)anthracene	ND(0.42)	ND(3.6)	ND(0.38)	NA	1.6	ND(0.39)	NA
Benzo(a)pyrene	ND(0.42)	ND(3.6)	ND(0.38)	NA	0.90	ND(0.39)	NA
Benzo(b)fluoranthene	ND(0.42)	ND(3.6)	ND(0.38)	NA	0.46	ND(0.39)	NA
Benzo(g,h,i)perylene	ND(0.42)	ND(3.6)	ND(0.38)	NA	0.47	ND(0.39)	NA
Benzo(k)fluoranthene	ND(0.42)	ND(3.6)	ND(0.38)	NA	1.0	ND(0.39)	NA
bis(2-Ethylhexyl)phthalate	ND(0.42)	ND(1.8)	ND(0.37)	NA	ND(0.37)	ND(0.39)	NA
Chrysene	ND(0.42)	ND(3.6)	ND(0.38)	NA	2.0	0.12 J	NA
Dibenzo(a,h)anthracene	ND(0.42)	ND(3.6)	ND(0.38)	NA	0.12 J	ND(0.39)	NA
Dibenzofuran	ND(0.42)	ND(3.6)	ND(0.38)	NA	0.26 J	ND(0.39)	NA
Diethylphthalate	ND(0.42)	ND(3.6)	ND(0.38)	NA	ND(0.37)	ND(0.39)	NA
Dimethylphthalate	ND(0.42)	ND(3.6)	ND(0.38)	NA	ND(0.37)	ND(0.39)	NA
Di-n-Butylphthalate	ND(0.42)	ND(3.6)	ND(0.38)	NA	ND(0.37)	ND(0.39)	NA
Fluoranthene	0.050 J	ND(3.6)	ND(0.38)	NA	4.6	0.16 J	NA
Fluorene	ND(0.42)	ND(3.6)	ND(0.38)	NA	0.52	ND(0.39)	NA
Hexachlorobenzene	ND(0.42)	ND(3.6)	ND(0.38)	NA	ND(0.37)	ND(0.39)	NA
Indeno(1,2,3-cd)pyrene	ND(0.42)	ND(3.6)	ND(0.38)	NA	0.41	ND(0.39)	NA
Naphthalene	ND(0.42)	ND(3.6)	ND(0.38)	NA	0.31 J	ND(0.39)	NA
N-Nitrosopiperidine	ND(0.42)	ND(3.6)	ND(0.38)	NA	ND(0.37)	ND(0.39)	NA
Pentachlorobenzene	ND(0.42)	ND(3.6)	ND(0.38)	NA	ND(0.37)	ND(0.39)	NA
Phenanthrene	ND(0.42)	ND(3.6)	ND(0.38)	NA	5.1	0.084 J	NA
Phenol	ND(0.42)	ND(3.6)	ND(0.38)	NA	ND(0.37)	ND(0.39)	NA
Pyrene	0.045 J	ND(3.6)	ND(0.38)	NA	3.8	0.18 J	NA
Furans							
2,3,7,8-TCDF	0.0000013 Y	ND(0.00000053)	ND(0.00000041)	NA	0.000035 Y	0.000012 Y	NA
TCDFs (total)	0.0000047	ND(0.00000061)	ND(0.00000041)	NA	0.00012	0.000056	NA
1,2,3,7,8-PeCDF	ND(0.00000027)	ND(0.00000025)	ND(0.00000022)	NA	0.000011	0.0000042 J	NA
2,3,4,7,8-PeCDF	ND(0.00000068)	ND(0.00000024)	ND(0.00000021)	NA	0.000016	0.0000055 J	NA
PeCDFs (total)	0.0000035	ND(0.00000011)	ND(0.00000029)	NA	0.00029	0.00016	NA
1,2,3,4,7,8-HxCDF	ND(0.00000012)	ND(0.00000031)	ND(0.00000012)	NA	0.000030	0.0000080	NA
1,2,3,6,7,8-HxCDF	ND(0.00000084)	ND(0.00000030)	ND(0.00000010)	NA	0.000031 I	0.000010 I	NA
1,2,3,7,8,9-HxCDF	ND(0.00000054)	ND(0.00000035)	ND(0.00000013)	NA	ND(0.00000023)	ND(0.00000010)	NA
2,3,4,6,7,8-HxCDF	ND(0.00000082)	ND(0.00000032)	ND(0.00000012)	NA	0.000045	0.000011	NA
HxCDFs (total)	0.000010	ND(0.00000012)	ND(0.00000013)	NA	0.00095	0.00034	NA
1,2,3,4,6,7,8-HpCDF	0.0000032 J	ND(0.00000095)	ND(0.00000023)	NA	0.00012	0.000025	NA
1,2,3,4,7,8,9-HpCDF	ND(0.00000064)	ND(0.00000013)	ND(0.00000083)	NA	0.000016	0.0000042 J	NA
HpCDFs (total)	0.0000061	ND(0.00000013)	ND(0.00000023)	NA	0.00033	0.000079	NA
OCDF	ND(0.0000034)	ND(0.0000023)	ND(0.0000028)	NA	0.000057	0.000010 J	NA

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter	RAA9-I17 0-1 02/04/05	RAA9-I20 0-1 02/04/05	RAA9-I23 6-15 10/27/04	RAA9-I23 12-14 10/27/04	RAA9-J3 0-1 10/22/04	RAA9-J3 1-6 10/22/04	RAA9-J3 5-6 10/22/04
Dioxins							
2,3,7,8-TCDD	ND(0.00000027)	ND(0.00000019)	ND(0.00000014)	NA	ND(0.00000048)	ND(0.00000035)	NA
TCDDs (total)	ND(0.00000036)	ND(0.00000019)	ND(0.00000014)	NA	0.00000091	ND(0.00000039)	NA
1,2,3,7,8-PeCDD	ND(0.00000053)	ND(0.00000035)	ND(0.00000025)	NA	ND(0.00000026)	ND(0.00000086)	NA
PeCDDs (total)	ND(0.00000054)	ND(0.00000035)	ND(0.00000025)	NA	ND(0.00000029)	ND(0.00000086)	NA
1,2,3,4,7,8-HxCDD	ND(0.00000034)	ND(0.00000023)	ND(0.00000021)	NA	ND(0.00000023)	ND(0.00000082)	NA
1,2,3,6,7,8-HxCDD	ND(0.00000045)	ND(0.00000022)	ND(0.00000016)	NA	0.0000034 J	ND(0.00000074)	NA
1,2,3,7,8,9-HxCDD	ND(0.00000034)	ND(0.00000022)	ND(0.00000017)	NA	ND(0.00000024)	ND(0.00000075)	NA
HxCDDs (total)	ND(0.00000013)	ND(0.00000030)	ND(0.00000021)	NA	0.000023	ND(0.0000025)	NA
1,2,3,4,6,7,8-HpCDD	0.0000047 J	ND(0.00000019)	ND(0.00000018)	NA	0.000024	0.0000042 J	NA
HpCDDs (total)	0.0000093	ND(0.00000019)	ND(0.00000018)	NA	0.000052	0.0000093	NA
OCDD	0.000032	0.000019	ND(0.00000019)	NA	0.00015	0.000019	NA
Total TEQs (WHO TEFs)	0.0000010	0.00000048	0.00000033	NA	0.000027	0.0000082	NA
Inorganics							
Antimony	ND(6.00)	ND(6.00)	ND(6.00)	NA	ND(6.00)	ND(6.00)	NA
Arsenic	2.40	18.0	3.10	NA	5.60	4.00	NA
Barium	41.0	20.0 B	18.0 B	NA	34.0	16.0 B	NA
Beryllium	0.320 B	0.170 B	0.200 B	NA	0.260 B	0.320 B	NA
Cadmium	ND(0.500)	ND(0.500)	ND(0.500)	NA	0.180 B	ND(0.500)	NA
Chromium	9.80	6.00	4.60	NA	5.60	6.20	NA
Cobalt	5.20	7.00	5.20	NA	5.60	7.00	NA
Copper	21.0	19.0	9.90	NA	56.0	20.0	NA
Cyanide	ND(0.130)	ND(0.220)	0.0590 B	NA	ND(1.10)	ND(1.20)	NA
Lead	6.40	12.0	4.50	NA	41.0	21.0	NA
Mercury	ND(0.130)	ND(0.110)	ND(0.110)	NA	0.500	0.0590 B	NA
Nickel	13.0	14.0	8.90	NA	10.0	13.0	NA
Selenium	0.960 J	1.50 J	ND(1.00)	NA	ND(1.00) J	0.780 J	NA
Silver	ND(1.00)	ND(1.00)	ND(1.00)	NA	ND(1.00)	ND(1.00)	NA
Sulfide	6.10 B	6.90	ND(5.70)	NA	43.0	17.0	NA
Thallium	ND(1.30)	1.50	ND(1.10)	NA	ND(1.10)	ND(1.20)	NA
Tin	ND(10.0)	ND(10.0)	ND(11)	NA	ND(10.0)	ND(10.0)	NA
Vanadium	18.0	12.0	4.60 B	NA	7.90	7.80	NA
Zinc	98.0	41.0	26.0	NA	56.0	47.0	NA

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter	RAA9-J4 0-1 10/22/04	RAA9-J5 0-1 01/24/05	RAA9-J7 0-1 01/10/05	RAA9-J7 6-15 01/10/05	RAA9-J8 6-15 01/10/05	RAA9-J8 10-12 01/10/05	RAA9-J9 0-1 01/12/05
Volatile Organics							
1,1,2,2-Tetrachloroethane	ND(0.0056)	ND(0.0056)	ND(0.0056) J	NA	NA	ND(0.0060) J	ND(0.0060)
1,2,3-Trichloropropane	ND(0.0056)	ND(0.0056)	ND(0.0056) J	NA	NA	ND(0.0060) J	ND(0.0060)
2-Butanone	ND(0.011)	ND(0.011)	ND(0.011)	NA	NA	ND(0.012)	ND(0.012)
Acetone	ND(0.022)	ND(0.022)	ND(0.023)	NA	NA	0.080 J	ND(0.024)
Benzene	ND(0.0056)	ND(0.0056)	ND(0.0056)	NA	NA	ND(0.0060)	ND(0.0060)
Ethylbenzene	ND(0.0056)	ND(0.0056)	ND(0.0056)	NA	NA	ND(0.0060)	ND(0.0060)
Methylene Chloride	ND(0.0056)	ND(0.0056)	ND(0.0056)	NA	NA	ND(0.0060)	ND(0.0060)
Styrene	ND(0.0056)	ND(0.0056)	ND(0.0056)	NA	NA	ND(0.0060)	ND(0.0060)
Tetrachloroethene	ND(0.0056)	ND(0.0056)	ND(0.0056)	NA	NA	ND(0.0060)	ND(0.0060)
Toluene	ND(0.0056)	ND(0.0056)	ND(0.0056)	NA	NA	ND(0.0060)	ND(0.0060)
Trichloroethene	ND(0.0056)	ND(0.0056)	ND(0.0056)	NA	NA	ND(0.0060)	ND(0.0060)
Trichlorofluoromethane	ND(0.0056)	ND(0.0056)	ND(0.0056)	NA	NA	ND(0.0060)	ND(0.0060)
Xylenes (total)	ND(0.0056)	ND(0.0056)	ND(0.0056)	NA	NA	ND(0.0060)	ND(0.0060)
Semivolatile Organics							
1,2,4,5-Tetrachlorobenzene	ND(0.37)	ND(3.7)	ND(0.38)	NA	ND(0.38)	NA	0.17 J
1,2,4-Trichlorobenzene	ND(0.37)	ND(3.7)	0.11 J	NA	ND(0.38)	NA	0.55
1,4-Dichlorobenzene	ND(0.37)	ND(3.7)	ND(0.38)	NA	ND(0.38)	NA	0.046 J
2,4-Dimethylphenol	ND(0.37)	ND(3.7)	0.092 J	NA	ND(0.38)	NA	ND(0.40)
2-Methylnaphthalene	ND(0.37)	ND(3.7)	ND(0.38)	NA	ND(0.38)	NA	ND(0.40)
Acenaphthene	ND(0.37)	ND(3.7)	0.063 J	NA	ND(0.38)	NA	ND(0.40)
Acenaphthylene	ND(0.37)	ND(3.7)	0.091 J	NA	ND(0.38)	NA	ND(0.40)
Aniline	ND(0.37)	ND(3.7) J	0.27 J	NA	ND(0.38) J	NA	ND(0.40) J
Anthracene	ND(0.37)	ND(3.7)	0.19 J	NA	ND(0.38)	NA	ND(0.40)
Benzo(a)anthracene	ND(0.37)	ND(3.7)	0.58	NA	ND(0.38)	NA	ND(0.40)
Benzo(a)pyrene	ND(0.37)	ND(3.7)	0.56	NA	ND(0.38)	NA	ND(0.40)
Benzo(b)fluoranthene	ND(0.37)	ND(3.7)	0.56	NA	ND(0.38)	NA	ND(0.40)
Benzo(g,h,i)perylene	ND(0.37)	ND(3.7)	0.26 J	NA	ND(0.38)	NA	ND(0.40)
Benzo(k)fluoranthene	ND(0.37)	ND(3.7)	0.58	NA	ND(0.38)	NA	ND(0.40)
bis(2-Ethylhexyl)phthalate	ND(0.37)	ND(1.8)	ND(0.37)	NA	0.50	NA	ND(0.40)
Chrysene	ND(0.37)	ND(3.7)	0.65	NA	ND(0.38)	NA	0.052 J
Dibenzo(a,h)anthracene	ND(0.37)	ND(3.7)	0.074 J	NA	ND(0.38)	NA	ND(0.40)
Dibenzofuran	ND(0.37)	ND(3.7)	0.060 J	NA	ND(0.38)	NA	ND(0.40)
Diethylphthalate	ND(0.37)	ND(3.7)	ND(0.38)	NA	ND(0.38)	NA	ND(0.40)
Dimethylphthalate	ND(0.37)	ND(3.7)	ND(0.38)	NA	ND(0.38)	NA	ND(0.40)
Di-n-Butylphthalate	ND(0.37)	ND(3.7)	ND(0.38)	NA	ND(0.38)	NA	ND(0.40)
Fluoranthene	ND(0.37)	ND(3.7)	1.1	NA	ND(0.38)	NA	0.090 J
Fluorene	ND(0.37)	ND(3.7)	0.057 J	NA	ND(0.38)	NA	ND(0.40)
Hexachlorobenzene	ND(0.37)	ND(3.7)	ND(0.38)	NA	ND(0.38)	NA	0.088 J
Indeno(1,2,3-cd)pyrene	ND(0.37)	ND(3.7)	0.24 J	NA	ND(0.38)	NA	ND(0.40)
Naphthalene	ND(0.37)	ND(3.7)	0.076 J	NA	ND(0.38)	NA	ND(0.40)
N-Nitrosopiperidine	ND(0.37)	ND(3.7)	ND(0.38)	NA	ND(0.38)	NA	ND(0.40)
Pentachlorobenzene	ND(0.37)	ND(3.7)	ND(0.38)	NA	ND(0.38)	NA	0.54
Phenanthrene	ND(0.37)	ND(3.7)	0.78	NA	ND(0.38)	NA	0.057 J
Phenol	ND(0.37)	ND(3.7)	ND(0.38)	NA	ND(0.38)	NA	ND(0.40)
Pyrene	ND(0.37)	ND(3.7)	1.1	NA	ND(0.38)	NA	0.082 J
Furans							
2,3,7,8-TCDF	0.000011 Y	ND(0.00000040)	0.00022 Y	ND(0.00000070)	ND(0.00000051) Y	NA	0.00018 Y
TCDFs (total)	0.000053	ND(0.00000040)	0.0026	0.00000082	0.0000053	NA	0.0046
1,2,3,7,8-PeCDF	0.0000037 J	ND(0.00000023)	0.000077	ND(0.00000012)	ND(0.00000013)	NA	0.00013
2,3,4,7,8-PeCDF	0.0000039 J	ND(0.00000020)	0.00015	ND(0.00000011)	ND(0.00000012)	NA	0.00029
PeCDFs (total)	0.000042	ND(0.00000076)	0.0079	0.0000059	ND(0.00000013)	NA	0.0049
1,2,3,4,7,8-HxCDF	0.0000062	ND(0.00000037)	0.00030	ND(0.00000083)	ND(0.00000098)	NA	0.0020
1,2,3,6,7,8-HxCDF	0.0000052 JI	ND(0.00000038)	0.00058 I	ND(0.00000079)	ND(0.00000092)	NA	0.00060 I
1,2,3,7,8,9-HxCDF	ND(0.00000093)	ND(0.00000040)	0.0000041 J	ND(0.00000098)	ND(0.00000011)	NA	0.000023
2,3,4,6,7,8-HxCDF	0.0000035 J	ND(0.00000038)	0.00054	ND(0.00000087)	ND(0.00000010)	NA	0.00028
HxCDFs (total)	0.000065	ND(0.00000099)	0.015	ND(0.00000012)	ND(0.00000011)	NA	0.0066
1,2,3,4,6,7,8-HpCDF	0.000013	ND(0.00000035)	0.0015	ND(0.00000011)	ND(0.00000011)	NA	0.0013
1,2,3,4,7,8,9-HpCDF	ND(0.0000026)	ND(0.00000012)	0.00018	ND(0.00000013)	ND(0.00000013)	NA	0.00086
HpCDFs (total)	0.000027	ND(0.00000050)	0.0041	ND(0.00000013)	ND(0.00000013)	NA	0.0036
OCDF	0.0000090 J	ND(0.00000037)	0.00054	ND(0.00000022)	ND(0.00000022)	NA	0.0025

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA9-J4 0-1 10/22/04	RAA9-J5 0-1 01/24/05	RAA9-J7 0-1 01/10/05	RAA9-J7 6-15 01/10/05	RAA9-J8 6-15 01/10/05	RAA9-J8 10-12 01/10/05	RAA9-J9 0-1 01/12/05
Dioxins								
2,3,7,8-TCDD	ND(0.00000036)	ND(0.00000016)	0.0000044	ND(0.00000085)	ND(0.00000082)	NA	0.000022	
TCDDs (total)	0.00000070	ND(0.00000019)	0.000088	ND(0.00000085)	ND(0.00000082)	NA	0.000018	
1,2,3,7,8-PeCDD	ND(0.00000079)	ND(0.00000050)	0.000038	ND(0.00000021)	ND(0.00000020)	NA	0.000087 J	
PeCDDs (total)	ND(0.00000097)	ND(0.00000050)	0.00016	ND(0.00000021)	ND(0.00000020)	NA	0.000087	
1,2,3,4,7,8-HxCDD	ND(0.00000085)	ND(0.00000026)	0.000035	ND(0.00000014)	ND(0.00000013)	NA	0.000047 J	
1,2,3,6,7,8-HxCDD	ND(0.00000077)	ND(0.00000025)	0.000039	ND(0.00000012)	ND(0.00000012)	NA	0.000098	
1,2,3,7,8,9-HxCDD	ND(0.00000078)	ND(0.00000023)	0.000026	ND(0.00000013)	ND(0.00000012)	NA	0.000076	
HxCDDs (total)	ND(0.00000020)	ND(0.00000027)	0.000057	ND(0.00000014)	ND(0.00000013)	NA	0.000066	
1,2,3,4,6,7,8-HpCDD	0.0000054 J	ND(0.00000020)	0.000031	ND(0.00000017)	ND(0.00000018)	NA	0.000046	
HpCDDs (total)	0.000010	ND(0.00000020)	0.000078	ND(0.00000017)	ND(0.00000018)	NA	0.000072	
OCDD	0.000028	ND(0.00000013)	0.0029	ND(0.00000041)	ND(0.00000041)	NA	0.0014	
Total TEQs (WHO TEFs)	0.0000057	0.00000052	0.000032	0.00000022	0.00000022	NA	0.000062	
Inorganics								
Antimony	ND(6.00)	1.20 B	ND(6.00)	NA	ND(6.00)	NA	ND(6.0)	
Arsenic	6.80	7.30	8.00	NA	4.30	NA	8.20	
Barium	30.0	54.0	64.0	NA	24.0	NA	65.0	
Beryllium	0.310 B	0.230 B	0.260 B	NA	0.290 B	NA	0.250 B	
Cadmium	0.160 B	0.860	0.450 B	NA	ND(0.500)	NA	ND(0.50)	
Chromium	7.60	14.0	13.0	NA	9.00	NA	15.0	
Cobalt	11.0	16.0	11.0	NA	9.70	NA	11.0	
Copper	19.0	24.0	52.0	NA	15.0	NA	37.0	
Cyanide	ND(1.10)	ND(0.220)	0.140 B	NA	ND(0.110)	NA	0.100 B	
Lead	12.0	9.20	120	NA	7.00	NA	55.0	
Mercury	0.0380 B	ND(0.110)	0.250	NA	ND(0.110)	NA	ND(0.120)	
Nickel	17.0	18.0	21.0	NA	17.0	NA	25.0	
Selenium	0.720 J	ND(1.00)	3.50	NA	3.00 J	NA	1.90 J	
Silver	ND(1.00)	ND(1.00)	0.340 B	NA	ND(1.00)	NA	ND(1.0)	
Sulfide	7.10	ND(5.60)	ND(5.60)	NA	7.20	NA	38.0	
Thallium	ND(1.10)	4.50	ND(1.10) J	NA	ND(1.10) J	NA	ND(1.20) J	
Tin	ND(10.0)	ND(10.0)	19.0	NA	ND(10.0)	NA	ND(10.0)	
Vanadium	8.40	10.0	11.0	NA	8.90	NA	12.0	
Zinc	56.0	64.0	120	NA	55.0	NA	160	

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter	RAA9-J10 6-8 01/12/05	RAA9-J10 6-15 01/12/05	RAA9-J11 0-1 01/21/05	RAA9-J11 1-6 01/21/05	RAA9-J13 0-1 02/03/05	RAA9-J14 6-15 01/28/05	RAA9-J14 14-15 01/28/05
Volatile Organics							
1,1,2,2-Tetrachloroethane	ND(0.0057)	NA	ND(0.0058) J	NA	ND(0.0056)	NA	ND(0.0058) J
1,2,3-Trichloropropane	ND(0.0057)	NA	ND(0.0058) J	NA	ND(0.0056)	NA	ND(0.0058) J
2-Butanone	ND(0.011)	NA	ND(0.012)	NA	ND(0.011)	NA	ND(0.012)
Acetone	ND(0.023)	NA	ND(0.023)	NA	ND(0.022)	NA	0.030
Benzene	ND(0.0057)	NA	ND(0.0058)	NA	ND(0.0056)	NA	ND(0.0058)
Ethylbenzene	ND(0.0057)	NA	ND(0.0058) J	NA	ND(0.0056)	NA	ND(0.0058) J
Methylene Chloride	ND(0.0057)	NA	ND(0.0058)	NA	ND(0.0056)	NA	ND(0.0058)
Styrene	ND(0.0057)	NA	ND(0.0058) J	NA	ND(0.0056)	NA	ND(0.0058) J
Tetrachloroethene	ND(0.0057)	NA	ND(0.0058) J	NA	ND(0.0056)	NA	ND(0.0058) J
Toluene	ND(0.0057)	NA	ND(0.0058) J	NA	ND(0.0056)	NA	ND(0.0058) J
Trichloroethene	ND(0.0057)	NA	ND(0.0058)	NA	ND(0.0056)	NA	ND(0.0058)
Trichlorofluoromethane	ND(0.0057)	NA	ND(0.0058)	NA	ND(0.0056)	NA	ND(0.0058)
Xylenes (total)	ND(0.0057)	NA	ND(0.0058) J	NA	ND(0.0056)	NA	ND(0.0058) J
Semivolatile Organics							
1,2,4,5-Tetrachlorobenzene	NA	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.37)	NA
1,2,4-Trichlorobenzene	NA	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.37)	NA
1,4-Dichlorobenzene	NA	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.37)	NA
2,4-Dimethylphenol	NA	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.37)	NA
2-Methylnaphthalene	NA	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.37)	NA
Acenaphthene	NA	ND(0.38)	0.099 J	NA	ND(0.37)	ND(0.37)	NA
Acenaphthylene	NA	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.37)	NA
Aniline	NA	ND(0.38) J	ND(0.39) J	NA	ND(0.37) J	ND(0.37) J	NA
Anthracene	NA	ND(0.38)	0.21 J	NA	ND(0.37)	ND(0.37)	NA
Benzo(a)anthracene	NA	ND(0.38)	0.46	NA	0.088 J	ND(0.37)	NA
Benzo(a)pyrene	NA	ND(0.38)	0.34 J	NA	0.078 J	ND(0.37)	NA
Benzo(b)fluoranthene	NA	ND(0.38)	0.26 J	NA	0.071 J	ND(0.37)	NA
Benzo(g,h,i)perylene	NA	ND(0.38)	0.20 J	NA	0.050 J	ND(0.37)	NA
Benzo(k)fluoranthene	NA	ND(0.38)	0.32 J	NA	0.076 J	ND(0.37)	NA
bis(2-Ethylhexyl)phthalate	NA	ND(0.37)	ND(0.38)	NA	ND(0.37)	ND(0.36)	NA
Chrysene	NA	ND(0.38)	0.49	NA	0.094 J	ND(0.37)	NA
Dibenzo(a,h)anthracene	NA	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.37)	NA
Dibenzofuran	NA	ND(0.38)	0.042 J	NA	ND(0.37)	ND(0.37)	NA
Diethylphthalate	NA	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.37)	NA
Dimethylphthalate	NA	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.37)	NA
Di-n-Butylphthalate	NA	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.37)	NA
Fluoranthene	NA	ND(0.38)	0.97	NA	0.20 J	ND(0.37)	NA
Fluorene	NA	ND(0.38)	0.094 J	NA	ND(0.37)	ND(0.37)	NA
Hexachlorobenzene	NA	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.37)	NA
Indeno(1,2,3-cd)pyrene	NA	ND(0.38)	0.16 J	NA	0.047 J	ND(0.37)	NA
Naphthalene	NA	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.37)	NA
N-Nitrosopiperidine	NA	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.37)	NA
Pentachlorobenzene	NA	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.37)	NA
Phenanthrene	NA	ND(0.38)	1.0	NA	0.13 J	ND(0.37)	NA
Phenol	NA	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.37)	NA
Pyrene	NA	ND(0.38)	1.0	NA	0.16 J	ND(0.37)	NA
Furans							
2,3,7,8-TCDF	NA	ND(0.00000061)	0.0000027 Y	ND(0.00000053)	0.0000028 Y	ND(0.0000012) QY	NA
TCDFs (total)	NA	0.0000028	0.000012	ND(0.00000053)	0.000011	ND(0.0000011)	NA
1,2,3,7,8-PeCDF	NA	ND(0.0000029)	ND(0.0000010)	ND(0.00000023)	ND(0.0000014)	ND(0.0000017)	NA
2,3,4,7,8-PeCDF	NA	ND(0.0000028)	ND(0.00000099)	ND(0.00000022)	ND(0.00000020)	ND(0.0000017)	NA
PeCDFs (total)	NA	ND(0.0000029)	0.0000089	ND(0.00000040)	0.000016	ND(0.0000020)	NA
1,2,3,4,7,8-HxCDF	NA	ND(0.0000022)	ND(0.00000070)	ND(0.00000040)	0.0000069	ND(0.0000012)	NA
1,2,3,6,7,8-HxCDF	NA	ND(0.0000021)	ND(0.00000014)	ND(0.00000039)	0.0000044 JI	ND(0.0000011)	NA
1,2,3,7,8,9-HxCDF	NA	ND(0.0000026)	ND(0.00000077)	ND(0.00000044)	ND(0.00000033)	ND(0.0000014)	NA
2,3,4,6,7,8-HxCDF	NA	ND(0.0000036) Q	ND(0.0000015)	ND(0.00000042)	0.0000053 J	ND(0.0000012)	NA
HxCDFs (total)	NA	ND(0.0000036)	0.000021	ND(0.00000044)	0.000090	ND(0.0000014)	NA
1,2,3,4,6,7,8-HpCDF	NA	ND(0.0000018)	0.000014	ND(0.00000020)	0.000017	ND(0.00000085)	NA
1,2,3,4,7,8,9-HpCDF	NA	ND(0.0000022)	ND(0.00000069)	ND(0.00000012)	ND(0.00000025)	ND(0.0000010)	NA
HpCDFs (total)	NA	ND(0.0000022)	0.000025	ND(0.00000027)	0.000039	ND(0.0000010)	NA
OCDF	NA	ND(0.0000039)	0.000015	ND(0.00000043)	0.000018	ND(0.0000017)	NA

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA9-J10 6-8 01/12/05	RAA9-J10 6-15 01/12/05	RAA9-J11 0-1 01/21/05	RAA9-J11 1-6 01/21/05	RAA9-J13 0-1 02/03/05	RAA9-J14 6-15 01/28/05	RAA9-J14 14-15 01/28/05
Dioxins								
2,3,7,8-TCDD	NA	ND(0.00000046)	ND(0.00000024)	ND(0.00000029)	ND(0.00000033)	ND(0.00000081)	NA	
TCDDs (total)	NA	ND(0.00000046)	ND(0.00000024)	ND(0.00000029)	ND(0.00000033)	ND(0.00000081)	NA	
1,2,3,7,8-PeCDD	NA	ND(0.0000042)	ND(0.00000071)	ND(0.00000061)	ND(0.00000052)	ND(0.0000023)	NA	
PeCDDs (total)	NA	ND(0.0000042)	ND(0.00000077)	ND(0.00000061)	ND(0.00000052)	ND(0.0000023)	NA	
1,2,3,4,7,8-HxCDD	NA	ND(0.0000025)	ND(0.00000032)	ND(0.00000027)	ND(0.00000038)	ND(0.0000016)	NA	
1,2,3,6,7,8-HxCDD	NA	ND(0.0000023)	ND(0.00000057)	ND(0.00000025)	ND(0.0000012)	ND(0.0000014)	NA	
1,2,3,7,8,9-HxCDD	NA	ND(0.0000023)	ND(0.00000063)	ND(0.00000024)	ND(0.00000073)	ND(0.0000015)	NA	
HxCDDs (total)	NA	ND(0.0000025)	ND(0.00000026)	ND(0.00000027)	0.0000032	ND(0.0000016)	NA	
1,2,3,4,6,7,8-HpCDD	NA	ND(0.0000031)	0.000014	ND(0.00000042)	0.000024	ND(0.0000017)	NA	
HpCDDs (total)	NA	ND(0.0000031)	0.000025	ND(0.00000042)	0.000042	ND(0.0000017)	NA	
OCDD	NA	ND(0.0000044)	0.000078	ND(0.0000039)	0.00024	0.000013	NA	
Total TEQs (WHO TEFs)	NA	0.0000040	0.0000016	0.00000066	0.0000035	0.0000026	NA	
Inorganics								
Antimony	NA	ND(6.0)	ND(6.00)	NA	ND(6.00)	ND(6.00)	NA	
Arsenic	NA	7.10	4.30	NA	2.90	3.40	NA	
Barium	NA	33.0	38.0	NA	28.0	26.0	NA	
Beryllium	NA	0.280 B	0.270 B	NA	0.130 B	0.220 B	NA	
Cadmium	NA	ND(0.50)	0.650	NA	ND(0.500)	0.880	NA	
Chromium	NA	8.90	10.0	NA	7.70	8.20	NA	
Cobalt	NA	8.90	8.00	NA	5.60	6.10	NA	
Copper	NA	40.0	40.0	NA	17.0	13.0	NA	
Cyanide	NA	0.0520 B	0.230 B	NA	ND(0.110)	ND(0.110)	NA	
Lead	NA	46.0	36.0	NA	9.00	6.50	NA	
Mercury	NA	ND(0.110)	0.230	NA	ND(0.11)	ND(0.110)	NA	
Nickel	NA	24.0	15.0	NA	10.0	10.0	NA	
Selenium	NA	1.70 J	ND(1.00)	NA	0.780 J	ND(1.00) J	NA	
Silver	NA	ND(1.0)	ND(1.00)	NA	ND(1.00)	ND(1.00)	NA	
Sulfide	NA	ND(5.70)	5.60 B	NA	9.00	8.80	NA	
Thallium	NA	ND(1.10) J	2.80 J	NA	ND(1.10)	3.20 J	NA	
Tin	NA	ND(10.0)	ND(10.0)	NA	ND(10.0)	ND(10.0)	NA	
Vanadium	NA	13.0	10.0	NA	8.50	6.60	NA	
Zinc	NA	52.0	110	NA	48.0	44.0	NA	

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter	RAA9-J16 0-1 02/01/05	RAA9-J17 0-1 01/19/05	RAA9-J17 1-3 01/19/05	RAA9-J17 1-6 01/19/05	RAA9-J18 0-1 01/25/05	RAA9-J19 6-15 10/27/04	RAA9-J19 12-14 10/27/04
Volatile Organics							
1,1,2,2-Tetrachloroethane	ND(0.0053)	ND(0.0059)	ND(0.0056)	NA	ND(0.0057)	NA	ND(0.0056)
1,2,3-Trichloropropane	ND(0.0053)	ND(0.0059)	ND(0.0056)	NA	ND(0.0057)	NA	ND(0.0056)
2-Butanone	ND(0.011)	ND(0.012)	ND(0.011)	NA	ND(0.011)	NA	ND(0.011)
Acetone	ND(0.021)	ND(0.024)	ND(0.022)	NA	0.023 J	NA	ND(0.022) J
Benzene	ND(0.0053)	ND(0.0059)	ND(0.0056)	NA	ND(0.0057)	NA	ND(0.0056)
Ethylbenzene	ND(0.0053)	ND(0.0059)	ND(0.0056)	NA	0.010 J	NA	ND(0.0056)
Methylene Chloride	ND(0.0053)	ND(0.0059)	ND(0.0056)	NA	ND(0.0057)	NA	ND(0.0056)
Styrene	ND(0.0053)	ND(0.0059)	ND(0.0056)	NA	ND(0.0057)	NA	ND(0.0056)
Tetrachloroethene	ND(0.0053)	ND(0.0059)	ND(0.0056)	NA	ND(0.0057)	NA	ND(0.0056)
Toluene	ND(0.0053)	ND(0.0059)	ND(0.0056)	NA	ND(0.0057)	NA	ND(0.0056)
Trichloroethene	ND(0.0053)	ND(0.0059)	ND(0.0056)	NA	ND(0.0057)	NA	ND(0.0056)
Trichlorofluoromethane	ND(0.0053)	ND(0.0059)	ND(0.0056)	NA	ND(0.0057) J	NA	ND(0.0056)
Xylenes (total)	ND(0.0053)	ND(0.0059)	ND(0.0056)	NA	0.046 J	NA	ND(0.0056)
Semivolatile Organics							
1,2,4,5-Tetrachlorobenzene	ND(3.6)	ND(0.40)	NA	ND(0.37)	ND(0.38)	ND(0.36)	NA
1,2,4-Trichlorobenzene	ND(3.6)	ND(0.40)	NA	ND(0.37)	ND(0.38)	ND(0.36)	NA
1,4-Dichlorobenzene	ND(3.6)	ND(0.40)	NA	ND(0.37)	ND(0.38)	ND(0.36)	NA
2,4-Dimethylphenol	ND(3.6)	ND(0.40)	NA	ND(0.37)	ND(0.38)	ND(0.36)	NA
2-Methylnaphthalene	ND(3.6)	ND(0.40)	NA	ND(0.37)	ND(0.38)	ND(0.36)	NA
Acenaphthene	ND(3.6)	ND(0.40)	NA	ND(0.37)	ND(0.38)	ND(0.36)	NA
Acenaphthylene	ND(3.6)	ND(0.40)	NA	ND(0.37)	ND(0.38)	ND(0.36)	NA
Aniline	ND(3.6) J	ND(0.40) J	NA	ND(0.37) J	ND(0.38) J	ND(0.36)	NA
Anthracene	ND(3.6)	0.034 J	NA	ND(0.37)	ND(0.38)	ND(0.36)	NA
Benzo(a)anthracene	ND(3.6)	0.13 J	NA	ND(0.37)	ND(0.38)	ND(0.36)	NA
Benzo(a)pyrene	ND(3.6)	0.091 J	NA	ND(0.37)	ND(0.38)	ND(0.36)	NA
Benzo(b)fluoranthene	ND(3.6)	0.10 J	NA	ND(0.37)	ND(0.38)	ND(0.36)	NA
Benzo(g,h,i)perylene	ND(3.6)	ND(0.40)	NA	ND(0.37)	ND(0.38)	ND(0.36)	NA
Benzo(k)fluoranthene	ND(3.6)	0.12 J	NA	ND(0.37)	ND(0.38)	ND(0.36)	NA
bis(2-Ethylhexyl)phthalate	ND(1.8)	ND(0.39)	NA	ND(0.37)	ND(0.38)	ND(0.36)	NA
Chrysene	ND(3.6)	0.16 J	NA	ND(0.37)	ND(0.38)	ND(0.36)	NA
Dibenzo(a,h)anthracene	ND(3.6)	ND(0.40)	NA	ND(0.37)	ND(0.38)	ND(0.36)	NA
Dibenzofuran	ND(3.6)	ND(0.40)	NA	ND(0.37)	ND(0.38)	ND(0.36)	NA
Diethylphthalate	ND(3.6)	ND(0.40)	NA	ND(0.37)	ND(0.38)	ND(0.36)	NA
Dimethylphthalate	ND(3.6)	ND(0.40)	NA	ND(0.37)	ND(0.38)	ND(0.36)	NA
Di-n-Butylphthalate	ND(3.6)	ND(0.40)	NA	ND(0.37)	ND(0.38)	ND(0.36)	NA
Fluoranthene	ND(3.6)	0.31 J	NA	ND(0.37)	0.075 J	ND(0.36)	NA
Fluorene	ND(3.6)	ND(0.40)	NA	ND(0.37)	ND(0.38)	ND(0.36)	NA
Hexachlorobenzene	ND(3.6)	ND(0.40)	NA	ND(0.37)	ND(0.38)	ND(0.36)	NA
Indeno(1,2,3-cd)pyrene	ND(3.6)	ND(0.40)	NA	ND(0.37)	ND(0.38)	ND(0.36)	NA
Naphthalene	ND(3.6)	ND(0.40)	NA	ND(0.37)	ND(0.38)	ND(0.36)	NA
N-Nitrosopiperidine	ND(3.6)	ND(0.40)	NA	ND(0.37)	ND(0.38)	ND(0.36)	NA
Pentachlorobenzene	ND(3.6)	ND(0.40)	NA	ND(0.37)	ND(0.38)	ND(0.36)	NA
Phenanthrene	ND(3.6)	0.16 J	NA	ND(0.37)	ND(0.38)	ND(0.36)	NA
Phenol	ND(3.6)	ND(0.40)	NA	ND(0.37)	ND(0.38)	ND(0.36)	NA
Pyrene	ND(3.6)	0.29 J	NA	ND(0.37)	0.082 J	ND(0.36)	NA
Furans							
2,3,7,8-TCDF	0.0000013 Y	0.0000087 Y	NA	ND(0.00000045)	0.0000022 J	ND(0.00000041)	NA
TCDFs (total)	0.000021	0.000047	NA	ND(0.00000045)	0.000024 J	ND(0.00000042)	NA
1,2,3,7,8-PeCDF	ND(0.00000013)	ND(0.00000022)	NA	ND(0.00000073)	ND(0.00000011)	ND(0.00000014)	NA
2,3,4,7,8-PeCDF	ND(0.00000013)	0.0000031 J	NA	ND(0.00000071)	ND(0.00000028)	ND(0.00000014)	NA
PeCDFs (total)	0.000053	0.000041	NA	ND(0.00000073)	0.000050 J	ND(0.00000018)	NA
1,2,3,4,7,8-HxCDF	0.0000046 J	0.0000048 J	NA	ND(0.00000056)	0.0000095 J	ND(0.000000078)	NA
1,2,3,6,7,8-HxCDF	0.0000033 J	0.0000045 J	NA	ND(0.00000053)	0.0000071 J	ND(0.000000065)	NA
1,2,3,7,8,9-HxCDF	ND(0.00000073)	ND(0.00000082)	NA	ND(0.00000066)	ND(0.00000010)	ND(0.000000085)	NA
2,3,4,6,7,8-HxCDF	ND(0.0000021)	0.0000056 J	NA	ND(0.00000059)	0.000012 J	ND(0.000000076)	NA
HxCDFs (total)	0.000061	0.00011	NA	ND(0.00000066)	0.000020 J	ND(0.000000085)	NA
1,2,3,4,6,7,8-HpCDF	0.0000086	0.000020	NA	ND(0.00000061)	0.000038 J	ND(0.00000013)	NA
1,2,3,4,7,8-HpCDF	ND(0.00000018)	ND(0.00000093)	NA	ND(0.00000066)	ND(0.00000027)	ND(0.000000066)	NA
HpCDFs (total)	0.000017	0.000037	NA	ND(0.00000066)	0.000073 J	ND(0.00000013)	NA
OCDF	0.0000077 J	0.0000097 J	NA	ND(0.00000072)	0.000015 J	ND(0.00000017)	NA

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter	RAA9-J16 0-1 02/01/05	RAA9-J17 0-1 01/19/05	RAA9-J17 1-3 01/19/05	RAA9-J17 1-6 01/19/05	RAA9-J18 0-1 01/25/05	RAA9-J19 6-15 10/27/04	RAA9-J19 12-14 10/27/04
Dioxins							
2,3,7,8-TCDD	ND(0.00000032)	ND(0.00000052)	NA	ND(0.00000047)	ND(0.00000076)	ND(0.00000010)	NA
TCDDs (total)	0.0000018	ND(0.00000052)	NA	ND(0.00000047)	ND(0.00000076)	ND(0.00000010)	NA
1,2,3,7,8-PeCDD	ND(0.00000056)	ND(0.0000012)	NA	ND(0.0000011)	ND(0.0000015)	ND(0.0000016)	NA
PeCDDs (total)	ND(0.0000020)	ND(0.0000012)	NA	ND(0.0000011)	ND(0.0000025)	ND(0.0000016)	NA
1,2,3,4,7,8-HxCDD	ND(0.00000050)	ND(0.00000076)	NA	ND(0.00000069)	ND(0.0000011)	ND(0.00000094)	NA
1,2,3,6,7,8-HxCDD	ND(0.00000062)	ND(0.00000069)	NA	ND(0.00000062)	ND(0.0000018)	ND(0.00000073)	NA
1,2,3,7,8,9-HxCDD	ND(0.00000046)	ND(0.00000070)	NA	ND(0.00000063)	ND(0.0000014)	ND(0.00000076)	NA
HxCDDs (total)	ND(0.0000019)	ND(0.0000014)	NA	ND(0.00000069)	0.000019 J	ND(0.00000094)	NA
1,2,3,4,6,7,8-HpCDD	0.0000083	0.0000059 J	NA	ND(0.00000070)	0.000019 J	ND(0.00000013)	NA
HpCDDs (total)	0.000015	0.000011	NA	ND(0.00000070)	0.000039 J	ND(0.00000013)	NA
OCDD	0.00011	0.000035	NA	ND(0.0000019)	0.00012 J	ND(0.0000014)	NA
Total TEQs (WHO TEFs)	0.0000021	0.0000052	NA	0.0000012	0.0000058	0.0000022	NA
Inorganics							
Antimony	ND(6.00)	ND(6.00)	NA	ND(6.00)	ND(6.00) J	ND(6.00)	NA
Arsenic	3.00 J	3.70	NA	4.10	1.10 J	3.10	NA
Barium	41.0	34.0	NA	15.0 B	26.0 J	13.0 B	NA
Beryllium	0.240 B	0.250 B	NA	0.250 B	0.110 J	0.150 B	NA
Cadmium	0.760	0.440 B	NA	0.430 B	0.260 J	ND(0.500)	NA
Chromium	10.0	6.40	NA	6.30	2.50 J	4.50	NA
Cobalt	6.70	5.50	NA	9.00	3.40 J	3.20 B	NA
Copper	48.0	11.0 J	NA	16.0 J	6.30 J	11.0	NA
Cyanide	ND(0.110)	0.130 J	NA	0.0610 J	0.0980 J	0.0200 B	NA
Lead	7.40	11.0	NA	6.90	7.40 J	3.30	NA
Mercury	ND(0.110)	0.0190 B	NA	ND(0.110)	ND(0.110)	ND(0.110)	NA
Nickel	11.0	8.70	NA	13.0	5.30 J	6.90	NA
Selenium	ND(1.00) J	ND(1.00)	NA	ND(1.00)	R	0.750 B	NA
Silver	ND(1.00)	ND(1.00)	NA	ND(1.00)	R	ND(1.00)	NA
Sulfide	8.50	ND(5.90)	NA	7.10	ND(5.70)	ND(5.40)	NA
Thallium	4.30	1.60 J	NA	3.20 J	1.60 J	ND(1.10)	NA
Tin	ND(10.0)	2.00 B	NA	3.20 B	R	ND(11)	NA
Vanadium	23.0	8.00	NA	6.20	1.50 J	4.40 B	NA
Zinc	59.0	48.0	NA	42.0	36.0 J	22.0	NA

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter	RAA9-K5 1-6 01/11/05	RAA9-K5 4-6 01/11/05	RAA9-K6 0-1 01/11/05	RAA9-K6 6-15 01/11/05	RAA9-K6 13-15 01/11/05	RAA9-K8 0-1 01/12/05	RAA9-K8 1-3 01/12/05	RAA9-K8 1-6 01/12/05
Volatile Organics								
1,1,2,2-Tetrachloroethane	NA	ND(0.0056) J	ND(0.0058) J	NA	ND(0.0056) J	ND(0.0056)	ND(0.0055)	NA
1,2,3-Trichloropropane	NA	ND(0.0056) J	ND(0.0058) J	NA	ND(0.0056) J	ND(0.0056)	ND(0.0055)	NA
2-Butanone	NA	ND(0.011)	ND(0.012)	NA	ND(0.011)	ND(0.011)	ND(0.011)	NA
Acetone	NA	0.099	ND(0.023)	NA	ND(0.022)	ND(0.022)	ND(0.022)	NA
Benzene	NA	ND(0.0056)	ND(0.0058)	NA	ND(0.0056)	ND(0.0056)	ND(0.0055)	NA
Ethylbenzene	NA	ND(0.0056)	ND(0.0058)	NA	ND(0.0056)	ND(0.0056)	ND(0.0055)	NA
Methylene Chloride	NA	ND(0.0056)	ND(0.0058)	NA	ND(0.0056)	ND(0.0056)	ND(0.0055)	NA
Styrene	NA	ND(0.0056)	ND(0.0058)	NA	ND(0.0056)	ND(0.0056)	ND(0.0055)	NA
Tetrachloroethylene	NA	ND(0.0056)	ND(0.0058)	NA	ND(0.0056)	ND(0.0056)	ND(0.0055)	NA
Toluene	NA	ND(0.0056)	ND(0.0058)	NA	ND(0.0056)	ND(0.0056)	ND(0.0055)	NA
Trichloroethylene	NA	ND(0.0056)	0.0058	NA	ND(0.0056)	ND(0.0056)	ND(0.0055)	NA
Trichlorofluoromethane	NA	ND(0.0056)	ND(0.0058)	NA	ND(0.0056)	ND(0.0056)	ND(0.0055)	NA
Xylenes (total)	NA	ND(0.0056)	0.0055 J	NA	ND(0.0056)	ND(0.0056)	ND(0.0055)	NA
Semivolatile Organics								
1,2,4,5-Tetrachlorobenzene	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA	ND(0.38)	NA	ND(0.37)
1,2,4-Trichlorobenzene	ND(0.37)	NA	0.23 J	ND(0.38)	NA	ND(0.38)	NA	ND(0.37)
1,4-Dichlorobenzene	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA	ND(0.38)	NA	ND(0.37)
2,4-Dimethylphenol	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA	ND(0.38)	NA	ND(0.37)
2-Methylnaphthalene	ND(0.37)	NA	0.031 J	ND(0.38)	NA	ND(0.38)	NA	ND(0.37)
Acenaphthene	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA	ND(0.38)	NA	ND(0.37)
Acenaphthylene	ND(0.37)	NA	0.12 J	ND(0.38)	NA	ND(0.38)	NA	ND(0.37)
Aniline	ND(0.37) J	NA	0.068 J	ND(0.38) J	NA	ND(0.38) J	NA	ND(0.37) J
Anthracene	ND(0.37)	NA	0.096 J	ND(0.38)	NA	ND(0.38)	NA	ND(0.37)
Benzo(a)anthracene	0.068 J	NA	0.33 J	ND(0.38)	NA	0.068 J	NA	0.11 J
Benzo(a)pyrene	0.052 J	NA	0.32 J	ND(0.38)	NA	0.071 J	NA	0.081 J
Benzo(b)fluoranthene	0.062 J	NA	0.28 J	ND(0.38)	NA	0.078 J	NA	0.073 J
Benzo(g,h,i)perylene	ND(0.37)	NA	0.21 J	ND(0.38)	NA	ND(0.38)	NA	ND(0.37)
Benzo(k)fluoranthene	0.066 J	NA	0.32 J	ND(0.38)	NA	0.089 J	NA	0.078 J
bis(2-Ethylhexyl)phthalate	ND(0.37)	NA	ND(0.38)	ND(0.37)	NA	ND(0.37)	NA	ND(0.37)
Chrysene	0.066 J	NA	0.37 J	ND(0.38)	NA	0.099 J	NA	0.11 J
Dibenzo(a,h)anthracene	ND(0.37)	NA	0.073 J	ND(0.38)	NA	ND(0.38)	NA	ND(0.37)
Dibenzofuran	ND(0.37)	NA	0.029 J	ND(0.38)	NA	ND(0.38)	NA	ND(0.37)
Diethylphthalate	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA	ND(0.38)	NA	ND(0.37)
Dimethylphthalate	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA	ND(0.38)	NA	ND(0.37)
Di-n-Butylphthalate	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA	ND(0.38)	NA	ND(0.37)
Fluoranthene	0.10 J	NA	0.67	0.090 J	NA	0.11 J	NA	0.24 J
Fluorene	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA	ND(0.38)	NA	ND(0.37)
Hexachlorobenzene	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA	ND(0.38)	NA	ND(0.37)
Indeno(1,2,3-cd)pyrene	ND(0.37)	NA	0.17 J	ND(0.38)	NA	ND(0.38)	NA	ND(0.37)
Naphthalene	ND(0.37)	NA	0.063 J	ND(0.38)	NA	ND(0.38)	NA	ND(0.37)
N-Nitrosopiperidine	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA	ND(0.38)	NA	ND(0.37)
Pentachlorobenzene	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA	ND(0.38)	NA	ND(0.37)
Phenanthrene	0.055 J	NA	0.36 J	0.073 J	NA	0.044 J	NA	0.11 J
Phenol	ND(0.37)	NA	ND(0.38)	ND(0.38)	NA	ND(0.38)	NA	ND(0.37)
Pyrene	0.093 J	NA	0.64	0.071 J	NA	0.11 J	NA	0.21 J
Furans								
2,3,7,8-TCDF	0.0000057 Y	NA	0.000077 Y	0.0000016 Y	NA	0.0000046 Y	NA	0.0000012 Y
TCDFs (total)	0.000090	NA	0.0014	0.000027	NA	0.000052	NA	0.0000094
1,2,3,7,8-PeCDF	ND(0.0000024)	NA	0.000042	ND(0.00000038)	NA	ND(0.0000018)	NA	ND(0.0000017)
2,3,4,7,8-PeCDF	0.0000037 J	NA	0.00011	ND(0.00000091)	NA	ND(0.0000026)	NA	ND(0.0000016)
PeCDFs (total)	0.00016	NA	0.0087	0.000060	NA	0.00010	NA	0.000039
1,2,3,4,7,8-HxCDF	ND(0.0000075) Q	NA	ND(0.00050) Q	ND(0.00000080)	NA	0.0000066	NA	ND(0.0000022)
1,2,3,6,7,8-HxCDF	ND(0.0000051) Q	NA	ND(0.00040) Q	ND(0.0000016)	NA	0.0000085	NA	0.0000038 J
1,2,3,7,8,9-HxCDF	ND(0.0000052)	NA	ND(0.000013)	ND(0.00000060)	NA	ND(0.0000015)	NA	ND(0.0000016)
2,3,4,6,7,8-HxCDF	0.0000087	NA	0.00075	0.0000031 J	NA	0.0000073	NA	0.0000044 J
HxCDFs (total)	0.00023	NA	0.020	0.000091	NA	0.00017	NA	0.000084
1,2,3,4,6,7,8-HpCDF	0.000022	NA	0.0028	0.0000075	NA	0.000048	NA	0.000011
1,2,3,4,7,8,9-HpCDF	ND(0.0000024)	NA	0.00025	ND(0.00000077)	NA	0.0000034 J	NA	ND(0.0000017)
HpCDFs (total)	0.000058	NA	0.0063	0.000020	NA	0.000092	NA	0.000022
OCDF	0.0000078 J	NA	0.00062	ND(0.0000027)	NA	0.000045	NA	ND(0.0000053)

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
 (Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter	RAA9-K5 1-6 01/11/05	RAA9-K5 4-6 01/11/05	RAA9-K6 0-1 01/11/05	RAA9-K6 6-15 01/11/05	RAA9-K6 13-15 01/11/05	RAA9-K8 0-1 01/12/05	RAA9-K8 1-3 01/12/05	RAA9-K8 1-6 01/12/05
Dioxins								
2,3,7,8-TCDD	ND(0.00000019)	NA	0.0000064	ND(0.00000014)	NA	ND(0.0000011)	NA	ND(0.0000011)
TCDDs (total)	ND(0.00000029)	NA	0.000098	ND(0.00000014)	NA	0.0000021	NA	ND(0.0000011)
1,2,3,7,8-PeCDD	ND(0.00000057)	NA	0.000099	ND(0.00000056)	NA	ND(0.0000027)	NA	ND(0.0000028)
PeCDDs (total)	ND(0.00000077)	NA	0.00055	ND(0.00000056)	NA	ND(0.0000027)	NA	ND(0.0000028)
1,2,3,4,7,8-HxCDD	ND(0.00000041)	NA	0.00010	ND(0.00000041)	NA	ND(0.0000014)	NA	ND(0.0000016)
1,2,3,6,7,8-HxCDD	ND(0.00000033)	NA	0.000097	ND(0.00000036)	NA	ND(0.0000012)	NA	ND(0.0000014)
1,2,3,7,8,9-HxCDD	ND(0.00000043)	NA	0.000074	ND(0.00000036)	NA	ND(0.0000019)	NA	ND(0.0000015)
HxCDDs (total)	ND(0.0000024)	NA	0.0017	ND(0.00000041)	NA	0.0000060	NA	ND(0.0000016)
1,2,3,4,6,7,8-HpCDD	0.0000042 J	NA	0.00050	ND(0.00000093)	NA	0.000034	NA	0.0000038 J
HpCDDs (total)	0.0000092	NA	0.0013	ND(0.0000012)	NA	0.000059	NA	0.0000070
OCDD	0.000038	NA	0.0034	0.0000066 J	NA	0.00018	NA	0.000019
Total TEQs (WHO TEFs)	0.0000047	NA	0.00035	0.0000013	NA	0.0000065	NA	0.0000039
Inorganics								
Antimony	ND(6.00)	NA	ND(6.00)	ND(6.00)	NA	ND(6.00)	NA	ND(6.00)
Arsenic	9.80	NA	9.70	10.0	NA	3.80	NA	3.70
Barium	37.0	NA	38.0	33.0	NA	ND(20.0)	NA	36.0
Beryllium	0.340 B	NA	0.340 B	0.280 B	NA	0.190 B	NA	0.220 B
Cadmium	0.190 B	NA	0.440 B	0.100 B	NA	ND(0.50)	NA	ND(0.500)
Chromium	13.0	NA	48.0	11.0	NA	9.30	NA	8.00
Cobalt	11.0	NA	14.0	8.00	NA	6.80	NA	7.10
Copper	18.0	NA	48.0	14.0	NA	14.0	NA	14.0
Cyanide	ND(0.220)	NA	ND(0.580)	ND(0.110)	NA	ND(0.220)	NA	0.0420 B
Lead	9.30	NA	34.0	7.30	NA	16.0	NA	7.60
Mercury	0.0710 B	NA	0.110 B	ND(0.110)	NA	ND(0.110)	NA	ND(0.110)
Nickel	21.0	NA	26.0	15.0	NA	16.0	NA	16.0
Selenium	2.40 J	NA	2.70 J	1.60 J	NA	1.60 J	NA	1.50 J
Silver	0.360 B	NA	ND(1.00)	0.170 B	NA	ND(1.00)	NA	ND(1.0)
Sulfide	7.20	NA	9.20	9.00	NA	5.40 B	NA	ND(5.60)
Thallium	ND(1.10) J	NA	ND(1.20) J	ND(1.10) J	NA	ND(1.10) J	NA	ND(1.10) J
Tin	ND(10.0)	NA	ND(10.0)	ND(10.0)	NA	ND(10.0)	NA	ND(10.0)
Vanadium	12.0	NA	12.0	9.20	NA	7.90	NA	8.30
Zinc	72.0	NA	100	51.0	NA	44.0	NA	41.0

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter	RAA9-K9.5 0-1 01/18/05	RAA9-K10 1-6 01/19/05	RAA9-K10 2-4 01/19/05	RAA9-K10 6-8 01/19/05	RAA9-K10 6-15 01/19/05	RAA9-K12 0-1 02/03/05	RAA9-K12 1-6 02/03/05
Volatile Organics							
1,1,2,2-Tetrachloroethane	ND(0.0062) J	NA	ND(0.0054)	ND(0.0058)	NA	ND(0.0056) J	NA
1,2,3-Trichloropropane	ND(0.0062) J	NA	ND(0.0054)	ND(0.0058)	NA	ND(0.0056) J	NA
2-Butanone	ND(0.012)	NA	ND(0.011)	ND(0.012)	NA	ND(0.013)	NA
Acetone	ND(0.025)	NA	ND(0.022)	ND(0.023)	NA	ND(0.026)	NA
Benzene	ND(0.0062)	NA	ND(0.0054)	ND(0.0058)	NA	ND(0.0065)	NA
Ethylbenzene	ND(0.0062) J	NA	ND(0.0054)	ND(0.0058)	NA	ND(0.0065)	NA
Methylene Chloride	ND(0.0062)	NA	ND(0.0054)	ND(0.0058)	NA	ND(0.0065)	NA
Styrene	ND(0.0062) J	NA	ND(0.0054)	ND(0.0058)	NA	ND(0.0065)	NA
Tetrachloroethene	ND(0.0062) J	NA	ND(0.0054)	ND(0.0058)	NA	ND(0.0065)	NA
Toluene	ND(0.0062) J	NA	ND(0.0054)	ND(0.0058)	NA	ND(0.0065)	NA
Trichloroethene	ND(0.0062)	NA	ND(0.0054)	ND(0.0058)	NA	ND(0.0065)	NA
Trichlorofluoromethane	ND(0.0062) J	NA	ND(0.0054)	ND(0.0058)	NA	ND(0.0065)	NA
Xylenes (total)	ND(0.0062) J	NA	ND(0.0054)	ND(0.0058)	NA	ND(0.0065)	NA
Semivolatile Organics							
1,2,4,5-Tetrachlorobenzene	ND(0.41)	ND(0.37)	NA	NA	ND(0.40)	ND(4.4)	ND(0.45)
1,2,4-Trichlorobenzene	ND(0.41)	ND(0.37)	NA	NA	ND(0.40)	ND(4.4)	ND(0.45)
1,4-Dichlorobenzene	ND(0.41)	ND(0.37)	NA	NA	ND(0.40)	ND(4.4)	ND(0.45)
2,4-Dimethylphenol	ND(0.41)	ND(0.37)	NA	NA	ND(0.40)	ND(4.4)	ND(0.45)
2-Methylnaphthalene	ND(0.41)	ND(0.37)	NA	NA	ND(0.40)	2.2 J	ND(0.45)
Acenaphthene	ND(0.41)	ND(0.37)	NA	NA	ND(0.40)	5.4	ND(0.45)
Acenaphthylene	0.14 J	ND(0.37)	NA	NA	ND(0.40)	20	0.065 J
Aniline	ND(0.41) J	ND(0.37) J	NA	NA	ND(0.40) J	ND(4.4) J	ND(0.45) J
Anthracene	0.11 J	ND(0.37)	NA	NA	ND(0.40)	26	0.067 J
Benzo(a)anthracene	0.64	0.068 J	NA	NA	ND(0.40)	66	0.24 J
Benzo(a)pyrene	0.57	ND(0.37)	NA	NA	ND(0.40)	61	0.21 J
Benzo(b)fluoranthene	0.66	0.045 J	NA	NA	ND(0.40)	51	0.17 J
Benzo(g,h,i)perylene	0.35 J	ND(0.37)	NA	NA	ND(0.40)	36	0.10 J
Benzo(k)fluoranthene	0.63	0.052 J	NA	NA	ND(0.40)	50	0.19 J
bis(2-Ethylhexyl)phthalate	0.30 J	ND(0.36)	NA	NA	ND(0.39)	ND(2.2)	ND(0.44)
Chrysene	0.74	0.048 J	NA	NA	ND(0.40)	72	0.35 J
Dibenzo(a,h)anthracene	0.12 J	ND(0.37)	NA	NA	ND(0.40)	11	ND(0.45)
Dibenzofuran	ND(0.41)	ND(0.37)	NA	NA	ND(0.40)	7.7	ND(0.45)
Diethylphthalate	ND(0.41)	ND(0.37)	NA	NA	ND(0.40)	ND(4.4)	ND(0.45)
Dimethylphthalate	ND(0.41)	ND(0.37)	NA	NA	ND(0.40)	ND(4.4)	ND(0.45)
Di-n-Butylphthalate	ND(0.41)	ND(0.37)	NA	NA	ND(0.40)	ND(4.4)	ND(0.45)
Fluoranthene	1.1	0.099 J	NA	NA	ND(0.40)	170	0.82
Fluorene	ND(0.41)	ND(0.37)	NA	NA	ND(0.40)	20	0.061 J
Hexachlorobenzene	ND(0.41)	ND(0.37)	NA	NA	ND(0.40)	ND(4.4)	ND(0.45)
Indeno(1,2,3-cd)pyrene	0.30 J	ND(0.37)	NA	NA	ND(0.40)	30	0.070 J
Naphthalene	ND(0.41)	ND(0.37)	NA	NA	ND(0.40)	2.7 J	ND(0.45)
N-Nitrosopiperidine	ND(0.41)	ND(0.37)	NA	NA	ND(0.40)	ND(4.4)	ND(0.45)
Pentachlorobenzene	ND(0.41)	ND(0.37)	NA	NA	ND(0.40)	ND(4.4)	ND(0.45)
Phenanthrene	0.39 J	ND(0.37)	NA	NA	ND(0.40)	140	0.70
Phenol	ND(0.41)	ND(0.37)	NA	NA	ND(0.40)	ND(4.4)	ND(0.45)
Pyrene	1.1	0.084 J	NA	NA	ND(0.40)	150	0.79
Furans							
2,3,7,8-TCDF	0.000091 Y	ND(0.00000035) Y	NA	NA	ND(0.00000060)	0.000016 Y	0.0000091 Y
TCDFs (total)	0.00054	0.0000018	NA	NA	ND(0.00000060)	0.00011	0.000064
1,2,3,7,8-PeCDF	0.000022	ND(0.00000065)	NA	NA	ND(0.00000066)	0.0000043 J	ND(0.0000020)
2,3,4,7,8-PeCDF	0.000023	ND(0.00000063)	NA	NA	ND(0.00000064)	0.0000085	0.0000035 J
PeCDFs (total)	0.00029	ND(0.00000016)	NA	NA	ND(0.00000066)	0.00033	0.000045
1,2,3,4,7,8-HxCDF	0.000024	ND(0.00000067)	NA	NA	ND(0.00000056)	0.0000087	0.000013
1,2,3,6,7,8-HxCDF	0.000015	ND(0.00000062)	NA	NA	ND(0.00000054)	0.000013 I	0.0000088 I
1,2,3,7,8,9-HxCDF	ND(0.0000015)	ND(0.00000079)	NA	NA	ND(0.00000066)	ND(0.00000077)	ND(0.00000064)
2,3,4,6,7,8-HxCDF	0.000014	ND(0.00000069)	NA	NA	ND(0.00000059)	0.0000096	ND(0.0000031)
HxCDFs (total)	0.00027	ND(0.00000097)	NA	NA	ND(0.00000066)	0.00030	0.000084
1,2,3,4,6,7,8-HpCDF	0.00011	ND(0.00000071)	NA	NA	ND(0.00000063)	0.000041	0.000058
1,2,3,4,7,8,9-HpCDF	0.0000075	ND(0.00000076)	NA	NA	ND(0.00000077)	0.0000042 J	0.000014
HpCDFs (total)	0.00028	ND(0.00000076)	NA	NA	ND(0.00000077)	0.00010	0.00012
OCDF	0.00020	ND(0.00000094)	NA	NA	ND(0.00000080)	0.000058	0.00014

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter	RAA9-K9.5 0-1 01/18/05	RAA9-K10 1-6 01/19/05	RAA9-K10 2-4 01/19/05	RAA9-K10 6-8 01/19/05	RAA9-K10 6-15 01/19/05	RAA9-K12 0-1 02/03/05	RAA9-K12 1-6 02/03/05
Dioxins							
2,3,7,8-TCDD	ND(0.00000053)	ND(0.00000052)	NA	NA	ND(0.00000061)	ND(0.00000046)	ND(0.00000031)
TCDDs (total)	0.0000073	ND(0.00000052)	NA	NA	ND(0.00000061)	0.0000023	ND(0.00000065)
1,2,3,7,8-PeCDD	ND(0.0000023)	ND(0.00000092)	NA	NA	ND(0.0000011)	ND(0.0000026)	ND(0.00000081)
PeCDDs (total)	0.0000042	ND(0.00000092)	NA	NA	ND(0.0000011)	0.0000046	ND(0.00000081)
1,2,3,4,7,8-HxCDD	ND(0.0000019)	ND(0.00000083)	NA	NA	ND(0.00000079)	ND(0.0000021)	ND(0.00000038)
1,2,3,6,7,8-HxCDD	0.0000070	ND(0.00000074)	NA	NA	ND(0.00000071)	0.0000086	ND(0.00000057)
1,2,3,7,8,9-HxCDD	0.0000034 J	ND(0.00000076)	NA	NA	ND(0.00000072)	0.0000047 J	ND(0.0000011)
HxCDDs (total)	0.000047	ND(0.00000083)	NA	NA	ND(0.00000079)	0.000070	ND(0.0000022)
1,2,3,4,6,7,8-HpCDD	0.00013	ND(0.00000085)	NA	NA	ND(0.00000082)	0.000047	0.000011
HpCDDs (total)	0.00022	ND(0.00000085)	NA	NA	ND(0.00000082)	0.000096	0.000021
OCDD	0.00082	ND(0.0000026)	NA	NA	ND(0.0000034)	0.00025	0.000075
Total TEQs (WHO TEFs)	0.000032	0.0000012	NA	NA	0.0000013	0.000013	0.0000066
Inorganics							
Antimony	ND(6.00)	ND(6.00)	NA	NA	1.20 B	ND(6.00)	ND(6.00)
Arsenic	13.0	5.50	NA	NA	2.60 J	3.80	2.70
Barium	100	15.0 B	NA	NA	17.0 B	30.0	48.0
Beryllium	0.280 B	0.270 B	NA	NA	0.200 B	0.0880 B	0.260 B
Cadmium	0.850	0.480 B	NA	NA	0.380 B	0.270 B	ND(0.500)
Chromium	15.0	7.00	NA	NA	6.00	6.70	11.0
Cobalt	10.0	12.0	NA	NA	5.50	5.10	6.60
Copper	60.0	15.0 J	NA	NA	12.0 J	20.0	14.0
Cyanide	0.470	0.0420 J	NA	NA	ND(0.240) J	0.160	0.140
Lead	320	11.0	NA	NA	4.80	93.0	11.0
Mercury	0.210	0.0760 B	NA	NA	ND(0.120)	ND(0.13)	ND(0.14)
Nickel	22.0	18.0	NA	NA	9.80	11.0	12.0
Selenium	3.60	0.620 B	NA	NA	ND(1.00)	0.770 J	1.30 J
Silver	ND(1.0)	ND(1.00)	NA	NA	ND(1.00)	ND(1.00)	ND(1.00)
Sulfide	6.00 B	ND(5.50)	NA	NA	ND(5.90)	8.40	8.60
Thallium	ND(1.20) J	3.50	NA	NA	1.40 J	ND(1.30)	ND(1.40)
Tin	30.0	2.90 B	NA	NA	6.20 B	ND(10.0)	ND(10.0)
Vanadium	20.0	6.40	NA	NA	5.70	12.0	12.0
Zinc	410	50.0	NA	NA	33.0	76.0	66.0

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
 (Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter	RAA9-K12 3-4 02/03/05	RAA9-K12E 0-1 01/25/05	RAA9-K14 0-1 02/02/05	RAA9-K14 1-6 02/02/05	RAA9-K14 4-6 02/02/05	RAA9-K15 0-1 02/03/05
Volatile Organics						
1,1,2,2-Tetrachloroethane	R	ND(0.0062) J [ND(0.0071)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0059) J
1,2,3-Trichloropropane	R	ND(0.0062) J [ND(0.0071)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0059) J
2-Butanone	R	ND(0.012) [ND(0.014)]	ND(0.012)	NA	ND(0.011)	ND(0.012)
Acetone	R	ND(0.025) [ND(0.028)]	ND(0.024)	NA	ND(0.022)	0.033 J
Benzene	R	ND(0.0062) [ND(0.0071)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0059)
Ethylbenzene	R	ND(0.0062) [ND(0.0071)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0059)
Methylene Chloride	R	ND(0.0062) [ND(0.0071)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0059)
Styrene	R	ND(0.0062) [ND(0.0071)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0059)
Tetrachloroethene	R	ND(0.0062) [ND(0.0071)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0059)
Toluene	R	ND(0.0062) [0.0043 J]	ND(0.0059)	NA	ND(0.0056)	ND(0.0059)
Trichloroethene	R	ND(0.0062) [ND(0.0071)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0059)
Trichlorofluoromethane	R	ND(0.0062) [ND(0.0071)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0059)
Xylenes (total)	R	ND(0.0062) [ND(0.0071)]	ND(0.0059)	NA	ND(0.0056)	ND(0.0059)
Semivolatile Organics						
1,2,4,5-Tetrachlorobenzene	NA	ND(0.41) [ND(0.48) J]	ND(0.39)	ND(0.37)	NA	ND(0.39)
1,2,4-Trichlorobenzene	NA	ND(0.41) [ND(0.48) J]	ND(0.39)	ND(0.37)	NA	ND(0.39)
1,4-Dichlorobenzene	NA	ND(0.41) [ND(0.48) J]	ND(0.39)	ND(0.37)	NA	ND(0.39)
2,4-Dimethylphenol	NA	ND(0.41) [ND(0.48) J]	ND(0.39)	ND(0.37)	NA	0.075 J
2-Methylnaphthalene	NA	1.4 [0.091 J]	ND(0.39)	ND(0.37)	NA	ND(0.39)
Acenaphthene	NA	0.63 [0.095 J]	ND(0.39)	ND(0.37)	NA	ND(0.39)
Acenaphthylene	NA	1.2 [0.43 J]	ND(0.39)	ND(0.37)	NA	ND(0.39)
Aniline	NA	ND(0.41) J [ND(0.48) J]	ND(0.39) J	ND(0.37) J	NA	ND(0.39) J
Anthracene	NA	2.6 [0.50 J]	ND(0.39)	ND(0.37)	NA	ND(0.39)
Benzo(a)anthracene	NA	3.4 [1.1 J]	ND(0.39)	ND(0.37)	NA	ND(0.39)
Benzo(a)pyrene	NA	2.5 [0.96 J]	ND(0.39)	ND(0.37)	NA	ND(0.39)
Benzo(b)fluoranthene	NA	1.7 [0.59 J]	ND(0.39)	ND(0.37)	NA	ND(0.39)
Benzo(g,h,i)perylene	NA	1.1 [0.47 J]	ND(0.39)	ND(0.37)	NA	ND(0.39)
Benzo(k)fluoranthene	NA	2.0 [0.77 J]	ND(0.39)	ND(0.37)	NA	ND(0.39)
bis(2-Ethylhexyl)phthalate	NA	ND(0.41) [ND(0.47) J]	ND(0.39)	ND(0.36)	NA	0.31 J
Chrysene	NA	3.5 [1.3 J]	ND(0.39)	0.049 J	NA	0.048 J
Dibenz(a,h)anthracene	NA	0.27 J [ND(0.48) J]	ND(0.39)	ND(0.37)	NA	ND(0.39)
Dibenzofuran	NA	0.83 [ND(0.96) J]	ND(0.39)	ND(0.37)	NA	ND(0.39)
Diethylphthalate	NA	ND(0.41) [0.068 J]	ND(0.39)	ND(0.37)	NA	ND(0.39)
Dimethylphthalate	NA	ND(0.41) [0.082 J]	ND(0.39)	ND(0.37)	NA	ND(0.39)
Di-n-Butylphthalate	NA	ND(0.41) [ND(0.48) J]	ND(0.39)	ND(0.37)	NA	ND(0.39)
Fluoranthene	NA	9.5 [2.6 J]	0.040 J	0.060 J	NA	0.082 J
Fluorene	NA	2.6 [0.34 J]	ND(0.39)	ND(0.37)	NA	ND(0.39)
Hexachlorobenzene	NA	ND(0.41) [ND(0.48) J]	ND(0.39)	ND(0.37)	NA	ND(0.39)
Indeno(1,2,3-cd)pyrene	NA	0.90 [0.37 J]	ND(0.39)	ND(0.37)	NA	ND(0.39)
Naphthalene	NA	1.0 [ND(0.96) J]	ND(0.39)	ND(0.37)	NA	ND(0.39)
N-Nitrosopiperidine	NA	ND(0.41) [0.055 J]	ND(0.39)	ND(0.37)	NA	ND(0.39)
Pentachlorobenzene	NA	ND(0.41) [ND(0.48) J]	ND(0.39)	ND(0.37)	NA	ND(0.39)
Phenanthrene	NA	14 [2.4 J]	ND(0.39)	ND(0.37)	NA	0.047 J
Phenol	NA	ND(0.41) [ND(0.48) J]	ND(0.39)	ND(0.37)	NA	ND(0.39)
Pyrene	NA	9.7 [2.9 J]	0.041 J	0.072 J	NA	0.087 J
Furans						
2,3,7,8-TCDF	NA	0.0000051 J [0.000012 J]	0.0000013 Y	0.0000014 Y	NA	0.0000050 Y
TCDFs (total)	NA	0.000039 J [0.000087 J]	0.0000072	0.000014	NA	0.000032
1,2,3,7,8-PeCDF	NA	ND(0.0000012) [ND(0.0000022)]	ND(0.00000091)	ND(0.000000057)	NA	ND(0.0000016)
2,3,4,7,8-PeCDF	NA	ND(0.0000017) [ND(0.0000030)]	ND(0.00000087)	ND(0.00000089)	NA	ND(0.0000020)
PeCDFs (total)	NA	0.0000079 J [0.000021 J]	0.000011	0.000033	NA	0.000016
1,2,3,4,7,8-HxCDF	NA	ND(0.0000024) [ND(0.0000031)]	ND(0.0000026)	ND(0.0000025)	NA	ND(0.0000029)
1,2,3,6,7,8-HxCDF	NA	ND(0.0000011) [ND(0.0000022)]	ND(0.0000021)	0.0000061 I	NA	ND(0.0000024)
1,2,3,7,8,9-HxCDF	NA	ND(0.00000076) [ND(0.00000095)]	ND(0.00000057)	ND(0.00000046)	NA	ND(0.00000056)
2,3,4,6,7,8-HxCDF	NA	ND(0.0000020) [ND(0.0000015)]	ND(0.0000027)	0.0000050 J	NA	ND(0.0000016)
HxCDFs (total)	NA	0.000014 J [0.000025 J]	0.000020	0.000075	NA	0.000024
1,2,3,4,6,7,8-HpCDF	NA	0.0000046 J [0.0000069 J]	0.0000071	0.000014	NA	0.000011
1,2,3,4,7,8,9-HpCDF	NA	ND(0.00000081) [ND(0.00000093)]	ND(0.0000011)	ND(0.00000096)	NA	ND(0.00000079)
HpCDFs (total)	NA	0.0000096 J [0.000014 J]	0.000014	0.000027	NA	0.000020
OCDF	NA	ND(0.0000066) [ND(0.0000061)]	0.0000064 J	0.0000060 J	NA	0.000010 J

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA9-K12 3-4 02/03/05	RAA9-K12E 0-1 01/25/05	RAA9-K14 0-1 02/02/05	RAA9-K14 1-6 02/02/05	RAA9-K14 4-6 02/02/05	RAA9-K15 0-1 02/03/05
Dioxins							
2,3,7,8-TCDD	NA	ND(0.00000058) [ND(0.00000075)]	ND(0.00000027)	ND(0.00000026)	NA	ND(0.00000022)	
TCDDs (total)	NA	0.00000086 J [ND(0.00000075)]	ND(0.00000027)	ND(0.00000026)	NA	ND(0.00000034)	
1,2,3,7,8-PeCDD	NA	ND(0.0000011) [ND(0.0000014)]	ND(0.00000054)	ND(0.00000051)	NA	ND(0.00000043)	
PeCDDs (total)	NA	ND(0.0000011) [ND(0.0000014)]	ND(0.00000059)	ND(0.00000098)	NA	ND(0.0000010)	
1,2,3,4,7,8-HxCDD	NA	ND(0.00000081) [ND(0.0000011)]	ND(0.00000036)	ND(0.00000033)	NA	ND(0.00000039)	
1,2,3,6,7,8-HxCDD	NA	ND(0.00000073) [ND(0.00000099)]	ND(0.00000056)	ND(0.00000062)	NA	ND(0.00000086)	
1,2,3,7,8,9-HxCDD	NA	ND(0.00000076) [ND(0.0000010)]	ND(0.00000046)	ND(0.00000037)	NA	ND(0.0000012)	
HxCDDs (total)	NA	ND(0.0000014) [ND(0.0000017)]	ND(0.00000094)	ND(0.0000012)	NA	ND(0.0000030)	
1,2,3,4,6,7,8-HxCDD	NA	0.0000077 J [0.0000070 J]	0.0000070	0.000010	NA	0.000014	
HxCDDs (total)	NA	0.000014 J [0.000015 J]	0.000013	0.000018	NA	0.000026	
OCDD	NA	0.000093 J [0.000056 J]	0.000051	0.000084	NA	0.00011	
Total TEQs (WHO TEFs)	NA	0.0000024 [0.0000038]	0.0000014	0.0000023	NA	0.0000021	
Inorganics							
Antimony	NA	R [R]	2.60 J	0.790 J	NA	ND(6.00)	
Arsenic	NA	3.10 J [4.40 J]	4.10 J	3.80 J	NA	ND(1.00)	
Barium	NA	24.0 J [36.0 J]	31.0 J	30.0 J	NA	12.0 B	
Beryllium	NA	0.260 J [0.320 J]	0.200 J	0.170 J	NA	ND(0.500)	
Cadmium	NA	0.910 J [1.10 J]	ND(0.500) J	ND(0.500) J	NA	ND(0.500)	
Chromium	NA	10.0 J [13.0 J]	8.80 J	7.40 J	NA	2.00	
Cobalt	NA	6.70 J [7.60 J]	6.60 J	6.40 J	NA	2.70 B	
Copper	NA	15.0 J [16.0 J]	25.0 J	13.0 J	NA	4.40	
Cyanide	NA	0.220 J [0.270 J]	ND(0.240)	ND(0.220)	NA	0.110 B	
Lead	NA	14.0 J [18.0 J]	7.10 J	5.80 J	NA	5.20	
Mercury	NA	0.0560 B [0.0630 B]	ND(0.12)	ND(0.11)	NA	ND(0.12)	
Nickel	NA	12.0 J [13.0 J]	13.0 J	12.0 J	NA	5.30	
Selenium	NA	R [1.20 J]	1.80 J	1.40 J	NA	ND(1.00) J	
Silver	NA	R [R]	R	0.240 J	NA	ND(1.00)	
Sulfide	NA	5.90 J [18.0 J]	9.40	11.0	NA	5.60 B	
Thallium	NA	5.40 J [6.00 J]	1.20 J	ND(1.10) J	NA	ND(1.20)	
Tin	NA	R [R]	ND(10.0) J	ND(10.0) J	NA	ND(10.0)	
Vanadium	NA	21.0 J [24.0 J]	9.40 J	8.40 J	NA	0.820 B	
Zinc	NA	88.0 J [120 J]	58.0 J	43.0 J	NA	22.0	

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter	RAA9-K15 6-15 02/03/05	RAA9-K18 0-1 02/02/05	RAA9-K18 6-15 02/02/05	RAA9-K18 13-14 02/02/05	RAA9-K21 0-1 10/29/04
Volatile Organics					
1,1,2,2-Tetrachloroethane	NA	ND(0.0067) J	NA	ND(0.0058) [ND(0.0057)]	ND(0.0054)
1,2,3-Trichloropropane	NA	ND(0.0067) J	NA	ND(0.0058) [ND(0.0057)]	ND(0.0054)
2-Butanone	NA	ND(0.013)	NA	ND(0.012) [ND(0.011)]	ND(0.011)
Acetone	NA	ND(0.027)	NA	ND(0.023) [ND(0.023)]	ND(0.022)
Benzene	NA	ND(0.0067)	NA	0.0039 J [ND(0.0057)]	ND(0.0054)
Ethylbenzene	NA	ND(0.0067)	NA	ND(0.0058) [ND(0.0057)]	ND(0.0054)
Methylene Chloride	NA	ND(0.0067)	NA	ND(0.0058) [ND(0.0057)]	ND(0.0054)
Styrene	NA	ND(0.0067)	NA	ND(0.0058) [ND(0.0057)]	ND(0.0054)
Tetrachloroethene	NA	ND(0.0067)	NA	ND(0.0058) [ND(0.0057)]	ND(0.0054)
Toluene	NA	ND(0.0067)	NA	ND(0.0058) [ND(0.0057)]	ND(0.0054)
Trichloroethene		0.039 J	NA	0.0040 J [0.0050 J]	ND(0.0054)
Trichlorofluoromethane	NA	ND(0.0067)	NA	ND(0.0058) [ND(0.0057)]	ND(0.0054)
Xylenes (total)	NA	ND(0.0067)	NA	ND(0.0058) [ND(0.0057)]	ND(0.0054)
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	NA	ND(0.44)	ND(0.37) [ND(0.37)]	NA	ND(0.36)
1,2,4-Trichlorobenzene	NA	ND(0.44)	ND(0.37) [ND(0.37)]	NA	ND(0.36)
1,4-Dichlorobenzene	NA	ND(0.44)	ND(0.37) [ND(0.37)]	NA	ND(0.36)
2,4-Dimethylphenol	NA	ND(0.44)	ND(0.37) [ND(0.37)]	NA	ND(0.36)
2-Methylnaphthalene	NA	ND(0.44)	ND(0.37) [ND(0.37)]	NA	ND(0.36)
Acenaphthene	NA	ND(0.44)	ND(0.37) [ND(0.37)]	NA	ND(0.36)
Acenaphthylene	NA	ND(0.44)	ND(0.37) [ND(0.37)]	NA	0.16 J
Aniline	NA	ND(0.44) J	ND(0.37) J [ND(0.37) J]	NA	ND(0.36)
Anthracene	NA	ND(0.44)	ND(0.37) [ND(0.37)]	NA	ND(0.36)
Benzo(a)anthracene	NA	0.063 J	ND(0.37) [ND(0.37)]	NA	0.36 J
Benzo(a)pyrene	NA	0.065 J	ND(0.37) [ND(0.37)]	NA	0.31 J
Benzo(b)fluoranthene	NA	0.047 J	ND(0.37) [ND(0.37)]	NA	0.12 J
Benzo(g,h,i)perylene	NA	ND(0.44)	ND(0.37) [ND(0.37)]	NA	0.15 J
Benzo(k)fluoranthene	NA	0.078 J	ND(0.37) [ND(0.37)]	NA	0.38
bis(2-Ethylhexyl)phthalate	NA	ND(0.44)	ND(0.37) [ND(0.36)]	NA	ND(0.36)
Chrysene	NA	0.090 J	ND(0.37) [ND(0.37)]	NA	0.52
Dibenz(a,h)anthracene	NA	ND(0.44)	ND(0.37) [ND(0.37)]	NA	ND(0.36)
Dibenzofuran	NA	ND(0.44)	ND(0.37) [ND(0.37)]	NA	ND(0.36)
Diethylphthalate	NA	ND(0.44)	ND(0.37) [ND(0.37)]	NA	ND(0.36)
Dimethylphthalate	NA	ND(0.44)	ND(0.37) [ND(0.37)]	NA	ND(0.36)
Di-n-Butylphthalate	NA	ND(0.44)	ND(0.37) [ND(0.37)]	NA	ND(0.36)
Fluoranthene	NA	0.12 J	ND(0.37) [ND(0.37)]	NA	0.54
Fluorene	NA	ND(0.44)	ND(0.37) [ND(0.37)]	NA	ND(0.36)
Hexachlorobenzene	NA	ND(0.44)	ND(0.37) [ND(0.37)]	NA	ND(0.36)
Indeno(1,2,3-cd)pyrene	NA	ND(0.44)	ND(0.37) [ND(0.37)]	NA	0.080 J
Naphthalene	NA	ND(0.44)	ND(0.37) [ND(0.37)]	NA	ND(0.36)
N-Nitrosopiperidine	NA	ND(0.44)	ND(0.37) [ND(0.37)]	NA	ND(0.36)
Pentachlorobenzene	NA	ND(0.44)	ND(0.37) [ND(0.37)]	NA	ND(0.36)
Phenanthrene	NA	0.073 J	ND(0.37) [ND(0.37)]	NA	0.13 J
Phenol	NA	ND(0.44)	ND(0.37) [ND(0.37)]	NA	ND(0.36)
Pyrene	NA	0.14 J	ND(0.37) [ND(0.37)]	NA	0.68
Furans					
2,3,7,8-TCDF	ND(0.00000029)	0.0000038 Y	ND(0.00000017) [ND(0.00000018)]	NA	0.0000027 Y
TCDFs (total)	ND(0.00000029)	0.000040	ND(0.00000035) [ND(0.00000018)]	NA	0.000015
1,2,3,7,8-PeCDF	ND(0.00000012)	ND(0.00000022)	ND(0.00000027) [ND(0.00000028)]	NA	ND(0.0000011)
2,3,4,7,8-PeCDF	ND(0.00000012)	0.0000043 J	ND(0.00000027) [ND(0.00000027)]	NA	ND(0.0000016)
PeCDFs (total)	ND(0.00000023)	0.00018	ND(0.00000048) [ND(0.00000037)]	NA	0.0000054
1,2,3,4,7,8-HxCDF	ND(0.00000019)	0.000016	ND(0.00000025) [ND(0.00000027)]	NA	ND(0.0000017)
1,2,3,6,7,8-HxCDF	ND(0.00000018)	0.000026 I	ND(0.00000023) [ND(0.00000025)]	NA	ND(0.0000011)
1,2,3,7,8,9-HxCDF	ND(0.00000020)	ND(0.00000065)	ND(0.00000030) [ND(0.00000031)]	NA	ND(0.0000014)
2,3,4,6,7,8-HxCDF	ND(0.00000019)	0.000030	ND(0.00000025) [ND(0.00000028)]	NA	ND(0.0000012)
HxCDFs (total)	ND(0.00000020)	0.00054	ND(0.00000030) [ND(0.00000031)]	NA	0.0000091
1,2,3,4,6,7,8-HpCDF	ND(0.00000073)	0.000095	ND(0.00000027) [ND(0.00000030)]	NA	0.0000030 J
1,2,3,4,7,8,9-HpCDF	ND(0.00000084)	0.0000079	ND(0.00000025) [ND(0.00000028)]	NA	ND(0.00000087)
HpCDFs (total)	ND(0.00000084)	0.00020	ND(0.00000027) [ND(0.00000030)]	NA	0.0000030
OCDF	ND(0.00000018)	0.000025	ND(0.00000041) [ND(0.00000039)]	NA	ND(0.0000031)

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter	RAA9-K15 6-15 02/03/05	RAA9-K18 0-1 02/02/05	RAA9-K18 6-15 02/02/05	RAA9-K18 13-14 02/02/05	RAA9-K21 0-1 10/29/04
Dioxins					
2,3,7,8-TCDD	ND(0.00000015)	ND(0.00000044)	ND(0.00000022) [ND(0.00000022)]	NA	ND(0.00000027)
TCDDs (total)	ND(0.00000015)	0.0000012	ND(0.00000022) [ND(0.00000022)]	NA	ND(0.00000027)
1,2,3,7,8-PeCDD	ND(0.00000030)	ND(0.0000028)	ND(0.0000041) [ND(0.0000039)]	NA	ND(0.00000063)
PeCDDs (total)	ND(0.00000030)	ND(0.0000056)	ND(0.0000078) [ND(0.0000039)]	NA	ND(0.00000063)
1,2,3,4,7,8-HxCDD	ND(0.00000011)	ND(0.0000023)	ND(0.0000034) [ND(0.0000031)]	NA	ND(0.00000069)
1,2,3,6,7,8-HxCDD	ND(0.00000011)	0.0000035 J	ND(0.0000031) [ND(0.0000028)]	NA	ND(0.00000057)
1,2,3,7,8,9-HxCDD	ND(0.00000011)	0.0000030 J	ND(0.0000031) [ND(0.0000029)]	NA	ND(0.00000065)
HxCDDs (total)	ND(0.00000018)	0.000040	ND(0.0000034) [ND(0.0000031)]	NA	ND(0.00000069)
1,2,3,4,6,7,8-HpCDD	ND(0.00000020)	0.000027	ND(0.0000032) [ND(0.0000031)]	NA	ND(0.0000021)
HpCDDs (total)	ND(0.00000020)	0.000058	ND(0.0000032) [ND(0.0000031)]	NA	ND(0.0000021)
OCDD	ND(0.0000016)	0.00012	ND(0.000012) [ND(0.000012)]	NA	0.000012
Total TEQs (WHO TEFs)	0.00000033	0.000014	0.00000050 [0.0000049]	NA	0.0000016
Inorganics					
Antimony	NA	ND(6.00) J	ND(6.00) J [ND(6.00) J]	NA	ND(6.00)
Arsenic	NA	2.50 J	3.70 J [4.10 J]	NA	3.80
Barium	NA	17.0 J	25.0 J [38.0 J]	NA	40.0
Beryllium	NA	0.0570 J	0.160 J [0.180 J]	NA	0.190 B
Cadmium	NA	ND(0.500) J	ND(0.500) J [ND(0.500) J]	NA	0.0810 B
Chromium	NA	5.50 J	7.70 J [7.10 J]	NA	5.80
Cobalt	NA	4.30 J	8.40 J [11.0 J]	NA	6.00
Copper	NA	8.60 J	13.0 J [14.0 J]	NA	13.0
Cyanide	NA	0.160 B	ND(0.220) [0.0340 B]	NA	ND(0.110)
Lead	NA	8.00 J	4.90 J [5.80 J]	NA	12.0
Mercury	NA	0.0320 B	ND(0.110) [ND(0.13)]	NA	ND(0.110)
Nickel	NA	7.60 J	13.0 J [14.0 J]	NA	10.0
Selenium	NA	0.740 J	0.760 J [0.990 J]	NA	ND(1.0)
Silver	NA	R	R [R]	NA	ND(1.00)
Sulfide	NA	8.50	11.0 [8.80]	NA	8.70
Thallium	NA	ND(1.30) J	ND(1.10) J [ND(1.10) J]	NA	ND(1.10)
Tin	NA	ND(10.0) J	ND(10.0) J [ND(10.0) J]	NA	ND(10.0)
Vanadium	NA	6.60 J	7.40 J [6.80 J]	NA	5.90
Zinc	NA	35.0 J	43.0 J [40.0 J]	NA	33.0

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter	RAA9-K24 0-1 10/29/04	RAA9-K24 1-6 10/29/04	RAA9-K24 4-6 10/29/04	RAA9-KL10.5 0-1 01/18/05	RAA9-L4 0-1 01/11/05	RAA9-L5 0-1 01/11/05	RAA9-L7 0-1 01/13/05
Volatile Organics							
1,1,2,2-Tetrachloroethane	ND(0.0057)	NA	ND(0.0052)	ND(0.0057) J	ND(0.0057) J	ND(0.0056) J	ND(0.0062)
1,2,3-Trichloropropane	ND(0.0057)	NA	ND(0.0052)	ND(0.0057) J	ND(0.0057) J	ND(0.0056) J	ND(0.0062)
2-Butanone	ND(0.011)	NA	ND(0.010)	ND(0.011)	ND(0.011)	ND(0.011)	ND(0.012)
Acetone	ND(0.023)	NA	ND(0.021)	ND(0.023)	ND(0.023)	ND(0.022)	ND(0.025)
Benzene	ND(0.0057)	NA	ND(0.0052) J	ND(0.0057)	ND(0.0057)	ND(0.0056)	ND(0.0062)
Ethylbenzene	ND(0.0057)	NA	ND(0.0052)	ND(0.0057)	ND(0.0057)	ND(0.0056)	ND(0.0062)
Methylene Chloride	ND(0.0057)	NA	ND(0.0052)	ND(0.0057)	ND(0.0057)	ND(0.0056)	ND(0.0062)
Styrene	ND(0.0057)	NA	ND(0.0052)	ND(0.0057)	ND(0.0057)	ND(0.0056)	ND(0.0062)
Tetrachloroethene	ND(0.0057)	NA	ND(0.0052)	ND(0.0057)	ND(0.0057)	ND(0.0056)	ND(0.0062)
Toluene	ND(0.0057)	NA	ND(0.0052) J	ND(0.0057)	ND(0.0057)	ND(0.0056)	ND(0.0062)
Trichloroethene	ND(0.0057)	NA	ND(0.0052)	ND(0.0057)	ND(0.0057)	0.0093	ND(0.0062)
Trichlorofluoromethane	ND(0.0057)	NA	ND(0.0052)	ND(0.0057)	ND(0.0057)	ND(0.0056)	ND(0.0062)
Xylenes (total)	ND(0.0057)	NA	ND(0.0052)	ND(0.0057)	ND(0.0057)	ND(0.0056)	ND(0.0062)
Semivolatile Organics							
1,2,4,5-Tetrachlorobenzene	ND(0.38)	ND(0.35)	NA	ND(0.38)	ND(0.38)	ND(0.37)	ND(0.41)
1,2,4-Trichlorobenzene	ND(0.38)	ND(0.35)	NA	ND(0.38)	ND(0.38)	ND(0.37)	ND(0.41)
1,4-Dichlorobenzene	ND(0.38)	ND(0.35)	NA	ND(0.38)	ND(0.38)	ND(0.37)	ND(0.41)
2,4-Dimethylphenol	ND(0.38)	ND(0.35)	NA	ND(0.38)	ND(0.38)	ND(0.37)	ND(0.41)
2-Methylnaphthalene	ND(0.38)	ND(0.35)	NA	ND(0.38)	0.064 J	ND(0.37)	ND(0.41)
Acenaphthene	ND(0.38)	ND(0.35)	NA	ND(0.38)	0.15 J	ND(0.37)	ND(0.41)
Acenaphthylene	ND(0.38)	ND(0.35)	NA	0.043 J	0.080 J	ND(0.37)	0.12 J
Aniline	ND(0.38)	ND(0.35)	NA	ND(0.38) J	ND(0.38) J	ND(0.37) J	ND(0.41) J
Anthracene	ND(0.38)	ND(0.35)	NA	0.024 J	0.42	ND(0.37)	0.14 J
Benzo(a)anthracene	ND(0.38)	ND(0.35)	NA	0.12 J	0.76	0.092 J	0.38 J
Benzo(a)pyrene	ND(0.38)	ND(0.35)	NA	0.074 J	0.64	0.067 J	0.44
Benzo(b)fluoranthene	ND(0.38)	ND(0.35)	NA	0.10 J	0.62	0.071 J	0.47
Benzo(g,h,i)perylene	ND(0.38)	ND(0.35)	NA	0.068 J	0.40	0.043 J	0.28 J
Benzo(k)fluoranthene	ND(0.38)	ND(0.35)	NA	0.12 J	0.60	0.11 J	0.44
bis(2-Ethylhexyl)phthalate	ND(0.37)	ND(0.34)	NA	ND(0.38)	ND(0.38)	ND(0.37)	ND(0.41)
Chrysene	ND(0.38)	ND(0.35)	NA	0.15 J	0.75	0.11 J	0.44
Dibeno(a,h)anthracene	ND(0.38)	ND(0.35)	NA	ND(0.38)	0.11 J	ND(0.37)	0.088 J
Dibenzofuran	ND(0.38)	ND(0.35)	NA	ND(0.38)	0.15 J	ND(0.37)	ND(0.41)
Diethylphthalate	ND(0.38)	ND(0.35)	NA	ND(0.38)	ND(0.38)	ND(0.37)	ND(0.41)
Dimethylphthalate	ND(0.38)	ND(0.35)	NA	ND(0.38)	ND(0.38)	ND(0.37)	ND(0.41)
Di-n-Butylphthalate	ND(0.38)	ND(0.35)	NA	ND(0.38)	0.38 J	ND(0.37)	0.043 J
Fluoranthene	0.084 J	ND(0.35)	NA	0.23 J	1.9	0.21 J	0.71
Fluorene	ND(0.38)	ND(0.35)	NA	ND(0.38)	0.19 J	ND(0.37)	0.057 J
Hexachlorobenzene	ND(0.38)	ND(0.35)	NA	ND(0.38)	ND(0.38)	ND(0.37)	ND(0.41)
Indeno(1,2,3-cd)pyrene	ND(0.38)	ND(0.35)	NA	0.044 J	0.33 J	0.045 J	0.24 J
Naphthalene	ND(0.38)	ND(0.35)	NA	ND(0.38)	0.15 J	ND(0.37)	0.042 J
N-Nitrosopiperidine	ND(0.38)	ND(0.35)	NA	ND(0.38)	ND(0.38)	ND(0.37)	ND(0.41)
Pentachlorobenzene	ND(0.38)	ND(0.35)	NA	ND(0.38)	ND(0.38)	ND(0.37)	ND(0.41)
Phenanthrene	ND(0.38)	ND(0.35)	NA	0.11 J	1.8	0.10 J	0.51
Phenol	ND(0.38)	ND(0.35)	NA	ND(0.38)	ND(0.38)	ND(0.37)	ND(0.41)
Pyrene	0.079 J	ND(0.35)	NA	0.22 J	1.6	0.20 J	0.68
Furans							
2,3,7,8-TCDF	0.00000060 Y	ND(0.00000038) Y	NA	0.000053 Y	0.00015 Y	0.0000038 Y	0.000021 Y
TCDFs (total)	0.00000088	0.00000064	NA	0.00024	0.00086	0.000052	0.00019
1,2,3,7,8-PeCDF	ND(0.00000027)	ND(0.0000011)	NA	0.000023	0.000058	ND(0.0000020)	0.0000075
2,3,4,7,8-PeCDF	ND(0.00000037)	ND(0.0000013)	NA	0.000026	0.000041	0.0000034 J	0.000011
PeCDFs (total)	ND(0.0000012)	ND(0.0000013)	NA	0.00031	0.0010	0.000098	0.00052
1,2,3,4,7,8-HxCDF	ND(0.00000052)	ND(0.0000014)	NA	0.000051	ND(0.00012) Q	0.0000060 I	0.000023
1,2,3,6,7,8-HxCDF	ND(0.00000028)	ND(0.0000014)	NA	0.000036 I	ND(0.00014) Q	0.0000051 JI	0.000031 I
1,2,3,7,8,9-HxCDF	ND(0.00000017)	ND(0.0000015)	NA	ND(0.00000099)	ND(0.0000017)	ND(0.00000037)	ND(0.0000022)
2,3,4,6,7,8-HxCDF	ND(0.00000029)	ND(0.0000015)	NA	0.000020	0.000048	0.0000048 J	0.000031
HxCDFs (total)	ND(0.0000012)	ND(0.0000015)	NA	0.00045	0.0015	0.00014	0.00077
1,2,3,4,6,7,8-HpCDF	ND(0.00000023)	ND(0.0000018)	NA	0.000081	0.00019	0.000020	0.00013
1,2,3,4,7,8,9-HpCDF	ND(0.00000023)	ND(0.0000017)	NA	0.000010	0.000043	0.0000032 J	0.000012
HpCDFs (total)	ND(0.0000023)	ND(0.0000018)	NA	0.00016	0.00052	0.000047	0.00029
OCDF	ND(0.0000041)	ND(0.0000038)	NA	0.000048	0.00013	0.000018	0.00011

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA9-K24 0-1 10/29/04	RAA9-K24 1-6 10/29/04	RAA9-K24 4-6 10/29/04	RAA9-KL10.5 0-1 01/18/05	RAA9-L4 0-1 01/11/05	RAA9-L5 0-1 01/11/05	RAA9-L7 0-1 01/13/05
Dioxins								
2,3,7,8-TCDD	ND(0.00000011)	ND(0.00000041)	NA	ND(0.00000029)	ND(0.00000078)	ND(0.00000014)	ND(0.00000054)	
TCDDs (total)	ND(0.00000017)	ND(0.00000041)	NA	0.0000041	0.0000082	0.0000062	0.0000019	
1,2,3,7,8-PeCDD	ND(0.00000020)	ND(0.0000012)	NA	ND(0.0000018)	ND(0.0000048)	ND(0.0000068)	ND(0.0000036)	
PeCDDs (total)	ND(0.00000033)	ND(0.0000012)	NA	0.0000065	ND(0.0000062)	ND(0.0000018)	ND(0.000013)	
1,2,3,4,7,8-HxCDD	ND(0.00000020)	ND(0.0000016)	NA	ND(0.0000016)	ND(0.0000025)	ND(0.0000045)	ND(0.0000025)	
1,2,3,6,7,8-HxCDD	ND(0.00000028)	ND(0.0000013)	NA	0.0000032 J	ND(0.0000029)	ND(0.0000013)	0.0000040 J	
1,2,3,7,8,9-HxCDD	ND(0.00000033)	ND(0.0000015)	NA	0.0000032 J	ND(0.0000022)	ND(0.0000079)	ND(0.0000028)	
HxCDDs (total)	ND(0.0000017)	ND(0.0000016)	NA	0.000033	0.000022	0.000045	0.000028	
1,2,3,4,6,7,8-HpCDD	0.0000056	ND(0.0000023)	NA	0.000017	0.000067	0.000012	0.000066	
HpCDDs (total)	0.000011	ND(0.0000023)	NA	0.000036	0.00014	0.000025	0.000012	
OCDD	0.000043	0.0000073 J	NA	0.000084	0.00098	0.000073	0.000040	
Total TEQs (WHO TEFs)	0.00000049	0.0000017	NA	0.000033	0.000063	0.0000046	0.000021	
Inorganics								
Antimony	ND(6.00)	ND(6.00)	NA	ND(6.00)	ND(6.00)	ND(6.00)	ND(6.00)	
Arsenic	4.00	1.10	NA	6.10	34.0	5.80	6.90	
Barium	44.0	15.0 B	NA	54.0	36.0	56.0	30.0	
Beryllium	0.210 B	0.120 B	NA	0.230 B	0.240 B	0.300 B	0.300 B	
Cadmium	0.0980 B	ND(0.500)	NA	ND(0.50)	0.330 B	0.180 B	0.200 B	
Chromium	6.80	3.10	NA	11.0	12.0	9.90	11.0	
Cobalt	6.80	5.90	NA	10.0	12.0	8.20	9.50	
Copper	12.0	7.80	NA	30.0	38.0	18.0	29.0	
Cyanide	0.0700 B	0.0340 B	NA	0.110 B	0.140	ND(0.220)	0.110 B	
Lead	22.0	4.30	NA	100	69.0	16.0	24.0	
Mercury	0.0580 B	ND(0.100)	NA	0.220	0.660	1.10	0.0680 B	
Nickel	9.40	6.30	NA	17.0	17.0	15.0	18.0	
Selenium	ND(1.1)	ND(1.00)	NA	2.20 J	2.80 J	2.10 J	1.80	
Silver	0.110 B	ND(1.00)	NA	ND(1.0)	0.230 B	ND(1.00)	ND(1.00)	
Sulfide	5.40 B	5.00 B	NA	ND(5.70)	20.0	14.0	ND(6.20)	
Thallium	ND(1.10)	ND(1.00)	NA	ND(1.10) J	ND(1.10) J	ND(1.10) J	ND(1.20)	
Tin	ND(10.0)	ND(10.0)	NA	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	
Vanadium	8.30	3.10 B	NA	13.0	10.0	11.0	11.0	
Zinc	48.0	22.0	NA	110	96.0	54.0	83.0	

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter	RAA9-L8 6-8 01/13/05	RAA9-L8 6-15 01/13/05	RAA9-L10 1-6 01/18/05	RAA9-L10 4-6 01/18/05	RAA9-L10 6-15 01/18/05	RAA9-L10 12-14 01/18/05	RAA9-L12 0-1 01/21/05
Volatile Organics							
1,1,2,2-Tetrachloroethane	ND(0.0057)	NA	NA	ND(0.0057)	NA	ND(0.0057)	ND(0.0067) J
1,2,3-Trichloropropane	ND(0.0057)	NA	NA	ND(0.0057)	NA	ND(0.0057)	ND(0.0067) J
2-Butanone	ND(0.011)	NA	NA	ND(0.011)	NA	ND(0.011)	ND(0.013)
Acetone	ND(0.023)	NA	NA	ND(0.023)	NA	ND(0.023)	ND(0.027)
Benzene	ND(0.0057)	NA	NA	ND(0.0057)	NA	ND(0.0057)	ND(0.0067)
Ethylbenzene	ND(0.0057)	NA	NA	ND(0.0057)	NA	ND(0.0057)	ND(0.0067) J
Methylene Chloride	ND(0.0057)	NA	NA	ND(0.0057)	NA	ND(0.0057)	ND(0.0067)
Styrene	ND(0.0057)	NA	NA	ND(0.0057)	NA	ND(0.0057)	ND(0.0067) J
Tetrachloroethene	ND(0.0057)	NA	NA	ND(0.0057)	NA	ND(0.0057)	ND(0.0067) J
Toluene	ND(0.0057)	NA	NA	ND(0.0057)	NA	ND(0.0057)	0.0076 J
Trichloroethene	ND(0.0057)	NA	NA	ND(0.0057)	NA	ND(0.0057)	ND(0.0067)
Trichlorofluoromethane	ND(0.0057)	NA	NA	ND(0.0057)	NA	ND(0.0057)	ND(0.0067) J
Xylenes (total)	ND(0.0057)	NA	NA	ND(0.0057)	NA	ND(0.0057)	ND(0.0067) J
Semivolatile Organics							
1,2,4,5-Tetrachlorobenzene	NA	ND(0.39)	ND(0.39)	NA	ND(0.38)	NA	ND(0.45) J
1,2,4-Trichlorobenzene	NA	ND(0.39)	ND(0.39)	NA	ND(0.38)	NA	ND(0.45) J
1,4-Dichlorobenzene	NA	ND(0.39)	ND(0.39)	NA	ND(0.38)	NA	ND(0.45) J
2,4-Dimethylphenol	NA	ND(0.39)	ND(0.39)	NA	ND(0.38)	NA	ND(0.45)
2-Methylnaphthalene	NA	ND(0.39)	ND(0.39)	NA	ND(0.38)	NA	ND(0.45) J
Acenaphthene	NA	ND(0.39)	ND(0.39)	NA	ND(0.38)	NA	ND(0.45) J
Acenaphthylene	NA	ND(0.39)	ND(0.39)	NA	ND(0.38)	NA	ND(0.45) J
Aniline	NA	ND(0.39) J	ND(0.39) J	NA	ND(0.38) J	NA	ND(0.45) J
Anthracene	NA	ND(0.39)	ND(0.39)	NA	ND(0.38)	NA	ND(0.45) J
Benzo(a)anthracene	NA	ND(0.39)	ND(0.39)	NA	ND(0.38)	NA	ND(0.45) J
Benzo(a)pyrene	NA	ND(0.39)	ND(0.39)	NA	ND(0.38)	NA	ND(0.45) J
Benzo(b)fluoranthene	NA	ND(0.39)	ND(0.39)	NA	ND(0.38)	NA	ND(0.45) J
Benzo(g,h,i)perylene	NA	ND(0.39)	ND(0.39)	NA	ND(0.38)	NA	ND(0.45) J
Benzo(k)fluoranthene	NA	ND(0.39)	ND(0.39)	NA	ND(0.38)	NA	ND(0.45) J
bis(2-Ethylhexyl)phthalate	NA	ND(0.39)	ND(0.38)	NA	ND(0.38)	NA	ND(0.44) J
Chrysene	NA	ND(0.39)	ND(0.39)	NA	ND(0.38)	NA	ND(0.45) J
Dibenz(a,h)anthracene	NA	ND(0.39)	ND(0.39)	NA	ND(0.38)	NA	ND(0.45) J
Dibenzofuran	NA	ND(0.39)	ND(0.39)	NA	ND(0.38)	NA	ND(0.90) J
Diethylphthalate	NA	ND(0.39)	ND(0.39)	NA	ND(0.38)	NA	ND(0.45) J
Dimethylphthalate	NA	ND(0.39)	ND(0.39)	NA	ND(0.38)	NA	ND(0.45) J
Di-n-Butylphthalate	NA	ND(0.39)	ND(0.39)	NA	ND(0.38)	NA	ND(0.45) J
Fluoranthene	NA	ND(0.39)	ND(0.39)	NA	ND(0.38)	NA	ND(0.45) J
Fluorene	NA	ND(0.39)	ND(0.39)	NA	ND(0.38)	NA	ND(0.45) J
Hexachlorobenzene	NA	ND(0.39)	ND(0.39)	NA	ND(0.38)	NA	ND(0.45) J
Indeno(1,2,3-cd)pyrene	NA	ND(0.39)	ND(0.39)	NA	ND(0.38)	NA	ND(0.45) J
Naphthalene	NA	ND(0.39)	ND(0.39)	NA	ND(0.38)	NA	ND(0.90) J
N-Nitrosopiperidine	NA	ND(0.39)	ND(0.39)	NA	ND(0.38)	NA	ND(0.45) J
Pentachlorobenzene	NA	ND(0.39)	ND(0.39)	NA	ND(0.38)	NA	ND(0.45) J
Phenanthrene	NA	ND(0.39)	ND(0.39)	NA	ND(0.38)	NA	ND(0.45) J
Phenol	NA	ND(0.39)	ND(0.39)	NA	ND(0.38)	NA	ND(0.45)
Pyrene	NA	ND(0.39)	ND(0.39)	NA	ND(0.38)	NA	ND(0.45) J
Furans							
2,3,7,8-TCDF	NA	ND(0.00000024) Y	ND(0.00000057)	NA	ND(0.00000053)	NA	0.0000017 Y
TCDFs (total)	NA	0.0000031	ND(0.00000057)	NA	ND(0.00000053)	NA	0.0000023
1,2,3,7,8-PeCDF	NA	ND(0.00000016)	ND(0.00000024)	NA	ND(0.00000021)	NA	ND(0.00000050)
2,3,4,7,8-PeCDF	NA	ND(0.00000015)	ND(0.00000024)	NA	ND(0.00000019)	NA	ND(0.00000067)
PeCDFs (total)	NA	ND(0.00000016)	ND(0.00000012)	NA	ND(0.00000038)	NA	ND(0.0000026)
1,2,3,4,7,8-HxCDF	NA	ND(0.00000012)	ND(0.00000045)	NA	ND(0.00000041)	NA	ND(0.00000077)
1,2,3,6,7,8-HxCDF	NA	ND(0.00000012)	ND(0.00000043)	NA	ND(0.00000039)	NA	ND(0.00000062)
1,2,3,7,8,9-HxCDF	NA	ND(0.00000014)	ND(0.00000049)	NA	ND(0.00000045)	NA	ND(0.00000071)
2,3,4,6,7,8-HxCDF	NA	ND(0.00000013)	ND(0.00000046)	NA	ND(0.00000042)	NA	ND(0.00000069)
HxCDFs (total)	NA	ND(0.00000014)	ND(0.00000011)	NA	ND(0.00000012)	NA	0.0000037
1,2,3,4,6,7,8-HpCDF	NA	ND(0.00000094)	ND(0.00000051)	NA	ND(0.00000023)	NA	0.0000050 J
1,2,3,4,7,8,9-HpCDF	NA	ND(0.00000012)	ND(0.00000014)	NA	ND(0.00000097)	NA	ND(0.0000031)
HpCDFs (total)	NA	ND(0.00000012)	ND(0.00000051)	NA	ND(0.00000036)	NA	0.000011
OCDF	NA	ND(0.00000023)	ND(0.00000032)	NA	ND(0.00000026)	NA	0.000011 J

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA9-L8 6-8 01/13/05	RAA9-L8 6-15 01/13/05	RAA9-L10 1-6 01/18/05	RAA9-L10 4-6 01/18/05	RAA9-L10 6-15 01/18/05	RAA9-L10 12-14 01/18/05	RAA9-L12 0-1 01/21/05
Dioxins								
2,3,7,8-TCDD	NA	ND(0.0000011)	ND(0.0000019)	NA	ND(0.0000022)	NA	ND(0.0000033)	
TCDDs (total)	NA	ND(0.0000011)	ND(0.0000019)	NA	ND(0.0000022)	NA	ND(0.0000033)	
1,2,3,7,8-PeCDD	NA	ND(0.0000023)	ND(0.0000042)	NA	ND(0.0000047)	NA	ND(0.0000072)	
PeCDDs (total)	NA	ND(0.0000023)	ND(0.0000042)	NA	ND(0.0000047)	NA	ND(0.0000072)	
1,2,3,4,7,8-HxCDD	NA	ND(0.0000016)	ND(0.0000023)	NA	ND(0.0000022)	NA	ND(0.0000042)	
1,2,3,6,7,8-HxCDD	NA	ND(0.0000014)	ND(0.0000022)	NA	ND(0.0000021)	NA	ND(0.0000048)	
1,2,3,7,8,9-HxCDD	NA	ND(0.0000014)	ND(0.0000022)	NA	ND(0.0000021)	NA	ND(0.0000039)	
HxCDDs (total)	NA	ND(0.0000016)	ND(0.0000023)	NA	ND(0.0000022)	NA	ND(0.0000014)	
1,2,3,4,6,7,8-HpCDD	NA	ND(0.0000016)	ND(0.0000031)	NA	ND(0.0000019)	NA	0.0000096	
HpCDDs (total)	NA	ND(0.0000016)	ND(0.0000031)	NA	ND(0.0000028)	NA	0.0000018	
OCDD	NA	ND(0.0000032)	ND(0.0000024)	NA	ND(0.0000029)	NA	0.0000093	
Total TEQs (WHO TEFs)	NA	0.0000026	0.0000053	NA	0.0000054	NA	0.0000012	
Inorganics								
Antimony	NA	ND(6.00)	ND(6.00)	NA	ND(6.00)	NA	1.10 B	
Arsenic	NA	3.70	5.70	NA	6.40	NA	5.70	
Barium	NA	28.0	ND(20.0)	NA	43.0	NA	42.0	
Beryllium	NA	0.250 B	0.250 B	NA	0.250 B	NA	0.340 B	
Cadmium	NA	ND(0.500)	ND(0.500)	NA	ND(0.50)	NA	0.730	
Chromium	NA	9.70	9.50	NA	12.0	NA	8.70	
Cobalt	NA	7.80	9.70	NA	10.0	NA	9.90	
Copper	NA	14.0	17.0	NA	18.0	NA	18.0	
Cyanide	NA	ND(0.590)	ND(0.230)	NA	ND(0.230)	NA	0.180 B	
Lead	NA	5.30	8.00	NA	7.80	NA	21.0	
Mercury	NA	ND(0.120)	ND(0.120)	NA	ND(0.110)	NA	0.0280 B	
Nickel	NA	15.0	19.0	NA	23.0	NA	15.0	
Selenium	NA	1.30 B	1.60 J	NA	2.00 J	NA	ND(1.00)	
Silver	NA	ND(1.00)	ND(1.00)	NA	ND(1.00)	NA	ND(1.00)	
Sulfide	NA	ND(5.90)	ND(5.80)	NA	5.50 B	NA	970	
Thallium	NA	ND(1.20)	ND(1.20) J	NA	ND(1.10) J	NA	3.70 J	
Tin	NA	ND(10.0)	ND(10.0)	NA	ND(10.0)	NA	ND(10.0)	
Vanadium	NA	9.30	9.20	NA	10.0	NA	11.0	
Zinc	NA	48.0	54.0	NA	60.0	NA	62.0	

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter	RAA9-L12 6-15 01/21/05	RAA9-L12 12-14 01/21/05	RAA9-L15 0-1 01/25/05	RAA9-L17 1-3 01/19/05	RAA9-L17 1-6 01/19/05	RAA9-L17 6-15 01/19/05
Volatile Organics						
1,1,2,2-Tetrachloroethane	NA	ND(0.0058)	ND(0.0058) J	ND(0.0063) J [ND(0.0062) J]	NA	NA
1,2,3-Trichloropropane	NA	ND(0.0058)	ND(0.0058) J	ND(0.0063) J [ND(0.0062) J]	NA	NA
2-Butanone	NA	ND(0.012)	ND(0.012)	ND(0.012) [ND(0.012)]	NA	NA
Acetone	NA	ND(0.023)	ND(0.023)	ND(0.025) [ND(0.025)]	NA	NA
Benzene	NA	ND(0.0058)	ND(0.0058)	ND(0.0063) [ND(0.0062)]	NA	NA
Ethylbenzene	NA	ND(0.0058)	ND(0.0058)	ND(0.0063) J [ND(0.0062)]	NA	NA
Methylene Chloride	NA	ND(0.0058)	ND(0.0058)	ND(0.0063) [ND(0.0062)]	NA	NA
Styrene	NA	ND(0.0058)	ND(0.0058)	ND(0.0063) J [ND(0.0062)]	NA	NA
Tetrachloroethene	NA	ND(0.0058)	ND(0.0058)	ND(0.0063) J [ND(0.0062)]	NA	NA
Toluene	NA	ND(0.0058)	ND(0.0058)	ND(0.0063) J [ND(0.0062)]	NA	NA
Trichloroethene	NA	ND(0.0058)	ND(0.0058)	ND(0.0063) [ND(0.0062)]	NA	NA
Trichlorofluoromethane	NA	ND(0.0058) J	ND(0.0058) J	ND(0.0063) [ND(0.0062) J]	NA	NA
Xylenes (total)	NA	ND(0.0058)	ND(0.0058)	ND(0.0063) J [ND(0.0062)]	NA	NA
Semivolatile Organics						
1,2,4,5-Tetrachlorobenzene	ND(0.39)	NA	ND(0.39)	NA	ND(0.41) [0.043 J]	NA
1,2,4-Trichlorobenzene	ND(0.39)	NA	ND(0.39) J	NA	ND(0.41) [0.20 J]	NA
1,4-Dichlorobenzene	ND(0.39)	NA	ND(0.39) J	NA	ND(0.41) [0.056 J]	NA
2,4-Dimethylphenol	ND(0.39)	NA	ND(0.39)	NA	ND(0.41) [0.076 J]	NA
2-Methylnaphthalene	ND(0.39)	NA	ND(0.39)	NA	ND(0.41) [ND(0.40)]	NA
Acenaphthene	ND(0.39)	NA	ND(0.39)	NA	ND(0.41) [ND(0.40)]	NA
Acenaphthylene	ND(0.39)	NA	ND(0.39)	NA	ND(0.41) [0.040 J]	NA
Aniline	ND(0.39) J	NA	ND(0.39) J	NA	ND(0.41) J [ND(0.40) J]	NA
Anthracene	ND(0.39)	NA	ND(0.39)	NA	ND(0.41) [ND(0.40)]	NA
Benzo(a)anthracene	ND(0.39)	NA	0.14 J	NA	0.056 J [0.043 J]	NA
Benzo(a)pyrene	ND(0.39)	NA	0.17 J	NA	ND(0.41) [0.062 J]	NA
Benzo(b)fluoranthene	ND(0.39)	NA	0.16 J	NA	ND(0.41) [0.046 J]	NA
Benzo(g,h,i)perylene	ND(0.39)	NA	0.12 J	NA	ND(0.41) [ND(0.40)]	NA
Benzo(k)fluoranthene	ND(0.39)	NA	0.18 J	NA	ND(0.41) [0.065 J]	NA
bis(2-Ethylhexyl)phthalate	ND(0.38)	NA	0.34 J	NA	ND(0.40) [ND(0.40)]	NA
Chrysene	ND(0.39)	NA	0.19 J	NA	0.054 J [0.063 J]	NA
Dibenzo(a,h)anthracene	ND(0.39)	NA	ND(0.39)	NA	ND(0.41) [ND(0.40)]	NA
Dibenzofuran	ND(0.39)	NA	ND(0.39)	NA	ND(0.41) [ND(0.40)]	NA
Diethylphthalate	ND(0.39)	NA	ND(0.39)	NA	ND(0.41) [ND(0.40)]	NA
Dimethylphthalate	ND(0.39)	NA	ND(0.39)	NA	ND(0.41) [ND(0.40)]	NA
Di-n-Butylphthalate	ND(0.39)	NA	ND(0.39)	NA	ND(0.41) [ND(0.40)]	NA
Fluoranthene	ND(0.39)	NA	0.32 J	NA	0.10 J [0.13 J]	NA
Fluorene	ND(0.39)	NA	ND(0.39)	NA	ND(0.41) [ND(0.40)]	NA
Hexachlorobenzene	ND(0.39)	NA	ND(0.39)	NA	ND(0.41) [ND(0.40)]	NA
Indeno(1,2,3-cd)pyrene	ND(0.39)	NA	0.11 J	NA	ND(0.41) [ND(0.40)]	NA
Naphthalene	ND(0.39)	NA	ND(0.39)	NA	ND(0.41) [ND(0.40)]	NA
N-Nitrosopiperidine	ND(0.39)	NA	ND(0.39)	NA	ND(0.41) [ND(0.40)]	NA
Pentachlorobenzene	ND(0.39)	NA	ND(0.39)	NA	ND(0.41) [ND(0.40)]	NA
Phenanthrene	ND(0.39)	NA	0.15 J	NA	0.090 J [0.082 J]	NA
Phenol	ND(0.39)	NA	ND(0.39)	NA	ND(0.41) [ND(0.40)]	NA
Pyrene	ND(0.39)	NA	0.30 J	NA	0.11 J [0.11 J]	NA
Furans						
2,3,7,8-TCDF	ND(0.00000059)	NA	0.0000039 J	NA	0.000032 Y [0.000073 Y]	ND(0.00000059)
TCDFs (total)	ND(0.00000059)	NA	0.000039 J	NA	0.00082 [0.00055]	0.0000012
1,2,3,7,8-PeCDF	ND(0.00000028)	NA	ND(0.0000025)	NA	0.000027 [0.000050]	ND(0.00000090)
2,3,4,7,8-PeCDF	ND(0.00000027)	NA	0.0000045 J	NA	0.00010 [0.00012]	ND(0.00000087)
PeCDFs (total)	ND(0.00000046)	NA	0.000071 J	NA	0.0015 [0.0016]	ND(0.0000019)
1,2,3,4,7,8-HxCDF	ND(0.00000058)	NA	0.0000081 J	NA	0.00053 [0.00066]	ND(0.00000080)
1,2,3,6,7,8-HxCDF	ND(0.00000055)	NA	0.0000073 J	NA	0.00030 I [0.00023]	ND(0.00000062)
1,2,3,7,8,9-HxCDF	ND(0.00000063)	NA	ND(0.00000086)	NA	0.0000060 J [0.0000076]	ND(0.00000077)
2,3,4,6,7,8-HxCDF	ND(0.00000060)	NA	0.0000062 J	NA	0.000050 [0.000062]	ND(0.00000068)
HxCDFs (total)	ND(0.00000063)	NA	0.00013 J	NA	0.0022 [0.0025]	ND(0.00000080)
1,2,3,4,6,7,8-HpCDF	ND(0.00000020)	NA	0.0000052 J	NA	0.00028 [0.00035]	ND(0.00000064)
1,2,3,4,7,8,9-HpCDF	ND(0.00000014)	NA	0.0000029 J	NA	0.00017 [0.00020]	ND(0.00000079)
HpCDFs (total)	ND(0.00000023)	NA	0.000096 J	NA	0.00077 [0.00093]	ND(0.00000079)
OCDF	ND(0.00000041)	NA	0.000059 J	NA	0.00041 [0.00049]	ND(0.00000087)

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA9-L12 6-15 01/21/05	RAA9-L12 12-14 01/21/05	RAA9-L15 0-1 01/25/05	RAA9-L17 1-3 01/19/05	RAA9-L17 1-6 01/19/05	RAA9-L17 6-15 01/19/05
Dioxins							
2,3,7,8-TCDD	ND(0.00000023)	NA	ND(0.00000051)	NA	0.0000040 [0.0000048]	ND(0.00000063)	
TCDDs (total)	ND(0.00000023)	NA	0.0000013 J	NA	0.00030 [0.00022]	ND(0.00000063)	
1,2,3,7,8-PeCDD	ND(0.00000074)	NA	ND(0.0000020)	NA	0.000040 [0.000050]	ND(0.0000014)	
PeCDDs (total)	ND(0.00000074)	NA	ND(0.0000026)	NA	0.00027 [0.00034]	ND(0.0000014)	
1,2,3,4,7,8-HxCDD	ND(0.00000040)	NA	0.0000036 J	NA	0.000011 [0.000014]	ND(0.00000091)	
1,2,3,6,7,8-HxCDD	ND(0.00000037)	NA	0.0000083 J	NA	0.000041 [0.000047]	ND(0.00000082)	
1,2,3,7,8,9-HxCDD	ND(0.00000036)	NA	0.0000082 J	NA	0.000018 [0.000026]	ND(0.00000084)	
HxCDDs (total)	ND(0.00000040)	NA	0.0000060 J	NA	0.000040 [0.000047]	ND(0.00000091)	
1,2,3,4,6,7,8-HpCDD	ND(0.00000027)	NA	0.00013 J	NA	0.000063 [0.000077]	ND(0.00000084)	
HpCDDs (total)	ND(0.00000027)	NA	0.00024 J	NA	0.00014 [0.00017]	ND(0.00000084)	
OCDD	ND(0.0000027)	NA	0.00065 J	NA	0.00012 [0.00015]	ND(0.0000031)	
Total TEQs (WHO TEFs)	0.0000077	NA	0.000010	NA	0.00020 [0.00024]	0.000016	
Inorganics							
Antimony	1.50 B	NA	0.860 J	NA	ND(6.00) [ND(6.00)]	NA	
Arsenic	6.00	NA	4.40 J	NA	3.90 [4.20]	NA	
Barium	16.0 B	NA	28.0 J	NA	22.0 [24.0]	NA	
Beryllium	0.320 B	NA	0.270 J	NA	0.300 B [0.290 B]	NA	
Cadmium	0.920	NA	1.00 J	NA	0.480 B [0.560]	NA	
Chromium	4.60	NA	12.0 J	NA	9.20 [8.70]	NA	
Cobalt	9.90	NA	8.40 J	NA	5.80 [6.60]	NA	
Copper	10.0	NA	20.0 J	NA	13.0 J [31.0 J]	NA	
Cyanide	ND(0.230)	NA	1.80 J	NA	0.0750 J [0.0990 J]	NA	
Lead	6.70	NA	20.0 J	NA	15.0 [13.0]	NA	
Mercury	ND(0.120)	NA	ND(0.120)	NA	0.0550 B [0.0120 B]	NA	
Nickel	11.0	NA	16.0 J	NA	11.0 [12.0]	NA	
Selenium	ND(1.00)	NA	0.610 J	NA	ND(1.00) [ND(1.00)]	NA	
Silver	ND(1.00)	NA	R	NA	ND(1.00) [ND(1.00)]	NA	
Sulfide	ND(5.80)	NA	ND(5.80)	NA	ND(6.10) [ND(6.00)]	NA	
Thallium	6.10	NA	5.20 J	NA	3.90 [3.80]	NA	
Tin	ND(10.0)	NA	R	NA	4.50 B [2.90 B]	NA	
Vanadium	3.80 B	NA	17.0 J	NA	11.0 [11.0]	NA	
Zinc	50.0	NA	380 J	NA	48.0 [46.0]	NA	

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter	RAA9-L18 0-1 01/26/05	RAA9-L19 6-15 01/26/05	RAA9-L20 0-1 01/26/05	RAA9-L20 1-3 01/26/05	RAA9-L20 1-6 01/26/05	RAA9-LM10 0-1 01/18/05	RAA9-LM10.5 6-15 01/18/05
Volatile Organics							
1,1,2,2-Tetrachloroethane	ND(0.0058)	NA	ND(0.0057)	ND(0.0056) J	NA	ND(0.0062) J	NA
1,2,3-Trichloropropane	ND(0.0058)	NA	ND(0.0057)	ND(0.0056) J	NA	ND(0.0062) J	NA
2-Butanone	ND(0.012) J	NA	ND(0.011) J	ND(0.011) J	NA	0.010 J	NA
Acetone	ND(0.023) J	NA	ND(0.023) J	ND(0.023) J	NA	0.097 J	NA
Benzene	ND(0.0058)	NA	ND(0.0057)	ND(0.0056)	NA	ND(0.0062)	NA
Ethylbenzene	ND(0.0058)	NA	ND(0.0057)	ND(0.0056)	NA	ND(0.0062)	NA
Methylene Chloride	ND(0.0058)	NA	ND(0.0057)	ND(0.0056)	NA	ND(0.0062)	NA
Styrene	ND(0.0058)	NA	ND(0.0057)	ND(0.0056)	NA	ND(0.0062)	NA
Tetrachloroethene	ND(0.0058)	NA	ND(0.0057)	ND(0.0056)	NA	ND(0.0062)	NA
Toluene	ND(0.0058)	NA	ND(0.0057)	ND(0.0056)	NA	ND(0.0062)	NA
Trichloroethene	ND(0.0058)	NA	ND(0.0057)	ND(0.0056)	NA	ND(0.0062)	NA
Trichlorofluoromethane	ND(0.0058)	NA	ND(0.0057)	ND(0.0056)	NA	ND(0.0062)	NA
Xylenes (total)	ND(0.0058)	NA	ND(0.0057)	ND(0.0056)	NA	ND(0.0062)	NA
Semivolatile Organics							
1,2,4,5-Tetrachlorobenzene	ND(0.38)	NA	ND(0.38)	NA	ND(0.37)	ND(0.41)	ND(0.38)
1,2,4-Trichlorobenzene	ND(0.38)	NA	ND(0.38)	NA	ND(0.37)	ND(0.41)	ND(0.38)
1,4-Dichlorobenzene	ND(0.38)	NA	ND(0.38)	NA	ND(0.37)	ND(0.41)	ND(0.38)
2,4-Dimethylphenol	ND(0.38)	NA	ND(0.38)	NA	ND(0.37)	ND(0.41)	ND(0.38)
2-Methylnaphthalene	ND(0.38)	NA	ND(0.38)	NA	ND(0.37)	ND(0.41)	ND(0.38)
Acenaphthene	ND(0.38)	NA	ND(0.38)	NA	0.12 J	ND(0.41)	ND(0.38)
Acenaphthylene	0.19 J	NA	ND(0.38)	NA	ND(0.37)	0.092 J	ND(0.38)
Aniline	ND(0.38) J	NA	ND(0.38) J	NA	ND(0.37) J	ND(0.41) J	ND(0.38) J
Anthracene	0.081 J	NA	ND(0.38)	NA	0.42	0.045 J	ND(0.38)
Benzo(a)anthracene	0.32 J	NA	ND(0.38)	NA	0.92	0.14 J	ND(0.38)
Benzo(a)pyrene	0.34 J	NA	ND(0.38)	NA	0.73	0.17 J	ND(0.38)
Benzo(b)fluoranthene	0.30 J	NA	ND(0.38)	NA	0.62	0.16 J	ND(0.38)
Benzo(g,h,i)perylene	0.24 J	NA	ND(0.38)	NA	0.38	0.11 J	ND(0.38)
Benzo(k)fluoranthene	0.33 J	NA	ND(0.38)	NA	0.72	0.15 J	ND(0.38)
bis(2-Ethylhexyl)phthalate	0.30 J	NA	ND(0.38)	NA	0.37	ND(0.41)	ND(0.38)
Chrysene	0.42	NA	ND(0.38)	NA	0.88	0.20 J	ND(0.38)
Dibenz(a,h)anthracene	0.046 J	NA	ND(0.38)	NA	0.10 J	ND(0.41)	ND(0.38)
Dibenzofuran	ND(0.38)	NA	ND(0.38)	NA	0.078 J	ND(0.41)	ND(0.38)
Diethylphthalate	ND(0.38)	NA	ND(0.38)	NA	ND(0.37)	ND(0.41)	ND(0.38)
Dimethylphthalate	ND(0.38)	NA	ND(0.38)	NA	ND(0.37)	ND(0.41)	ND(0.38)
Di-n-Butylphthalate	ND(0.38)	NA	ND(0.38)	NA	ND(0.37)	ND(0.41)	ND(0.38)
Fluoranthene	0.74	NA	ND(0.38)	NA	2.2	0.30 J	ND(0.38)
Fluorene	ND(0.38)	NA	ND(0.38)	NA	0.16 J	ND(0.41)	ND(0.38)
Hexachlorobenzene	ND(0.38)	NA	ND(0.38)	NA	ND(0.37)	ND(0.41)	ND(0.38)
Indeno(1,2,3-cd)pyrene	0.18 J	NA	ND(0.38)	NA	0.36 J	0.062 J	ND(0.38)
Naphthalene	ND(0.38)	NA	ND(0.38)	NA	0.055 J	ND(0.41)	ND(0.38)
N-Nitrosopiperidine	ND(0.38)	NA	ND(0.38)	NA	ND(0.37)	ND(0.41)	ND(0.38)
Pentachlorobenzene	ND(0.38)	NA	ND(0.38)	NA	ND(0.37)	ND(0.41)	ND(0.38)
Phenanthrene	0.39	NA	ND(0.38)	NA	1.7	0.17 J	ND(0.38)
Phenol	ND(0.38)	NA	ND(0.38)	NA	ND(0.37)	ND(0.41)	ND(0.38)
Pyrene	0.75	NA	ND(0.38)	NA	1.9	0.35 J	ND(0.38)
Furans							
2,3,7,8-TCDF	0.0000025 Y	ND(0.00000024)	0.0000052 Y	NA	0.0000019 Y	0.000084 Y	ND(0.00000063)
TCDFs (total)	0.000030	ND(0.00000024)	0.00025	NA	0.000017	0.00034	ND(0.00000063)
1,2,3,7,8-PeCDF	ND(0.00000012)	ND(0.00000027)	0.000011	NA	ND(0.00000098)	0.000038	ND(0.00000016)
2,3,4,7,8-PeCDF	0.0000037 J	ND(0.00000027)	0.000044	NA	ND(0.0000012)	0.000040	ND(0.00000015)
PeCDFs (total)	0.00018	ND(0.00000040)	0.0031	NA	0.000024	0.00030	ND(0.00000035)
1,2,3,4,7,8-HxCDF	0.0000090	ND(0.00000049)	0.00013 I	NA	ND(0.00000068)	0.000057	ND(0.00000042)
1,2,3,6,7,8-HxCDF	0.0000092	ND(0.00000046)	0.00018 I	NA	ND(0.00000070)	0.000037	ND(0.00000039)
1,2,3,7,8,9-HxCDF	ND(0.0000023)	ND(0.00000054)	0.0000070	NA	ND(0.00000063)	ND(0.00000015)	ND(0.00000045)
2,3,4,6,7,8-HxCDF	0.000024	ND(0.00000051)	0.00049	NA	0.0000028 J	0.000017	ND(0.00000043)
HxCDFs (total)	0.00050	ND(0.00000054)	0.014	NA	0.000049	0.00031	ND(0.00000045)
1,2,3,4,6,7,8-HpCDF	0.000071	ND(0.00000051)	0.0022	NA	0.0000099	0.0000076	ND(0.00000030)
1,2,3,4,7,8,9-HpCDF	ND(0.00000026)	ND(0.00000019)	0.000060	NA	ND(0.00000063)	0.000013	ND(0.00000011)
HpCDFs (total)	0.00014	ND(0.00000051)	0.0049	NA	0.000021	0.00014	ND(0.00000030)
OCDF	0.000021	ND(0.0000012)	0.00044	NA	0.0000066 J	0.000084	ND(0.00000023)

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter	RAA9-L18 0-1 01/26/05	RAA9-L19 6-15 01/26/05	RAA9-L20 0-1 01/26/05	RAA9-L20 1-3 01/26/05	RAA9-L20 1-6 01/26/05	RAA9-LM10 0-1 01/18/05	RAA9-LM10.5 6-15 01/18/05
Dioxins							
2,3,7,8-TCDD	ND(0.00000027)	ND(0.00000019)	0.00000092 J	NA	ND(0.00000019)	ND(0.00000033)	ND(0.00000023)
TCDDs (total)	0.00000059	ND(0.00000019)	0.000012	NA	ND(0.00000019)	0.0000037	ND(0.00000023)
1,2,3,7,8-PeCDD	ND(0.0000010)	ND(0.00000045)	0.000023	NA	ND(0.00000040)	ND(0.00000014)	ND(0.00000044)
PeCDDs (total)	ND(0.0000022)	ND(0.00000045)	0.00015	NA	ND(0.00000040)	ND(0.00000036)	ND(0.00000044)
1,2,3,4,7,8-HxCDD	ND(0.00000072)	ND(0.00000044)	0.000020	NA	ND(0.00000041)	ND(0.00000086)	ND(0.00000025)
1,2,3,6,7,8-HxCDD	ND(0.00000088)	ND(0.00000039)	0.000025	NA	ND(0.00000036)	ND(0.0000029)	ND(0.00000024)
1,2,3,7,8,9-HxCDD	ND(0.0000011)	ND(0.00000040)	0.000019	NA	ND(0.00000040)	ND(0.0000024)	ND(0.00000023)
HxCDDs (total)	0.000010	ND(0.00000044)	0.00039	NA	ND(0.0000011)	0.000020	ND(0.00000025)
1,2,3,4,6,7,8-HpCDD	0.000013	ND(0.0000010)	0.00011	NA	0.0000043 J	0.000036	ND(0.00000024)
HpCDDs (total)	0.000029	ND(0.0000010)	0.00027	NA	0.0000078	0.000077	ND(0.00000024)
OCDD	0.000096	ND(0.0000050)	0.00040	NA	0.000025	0.00040	ND(0.0000017)
Total TEQs (WHO TEFs)	0.0000081	0.00000058	0.00016	NA	0.0000014	0.000044	0.00000053
Inorganics							
Antimony	ND(6.00)	NA	ND(6.00)	NA	ND(6.00)	ND(6.00)	ND(6.00)
Arsenic	5.80	NA	2.80 J	NA	3.80	11.0	5.00
Barium	18.0 B	NA	18.0 B	NA	19.0 B	170	29.0
Beryllium	0.190 B	NA	0.160 B	NA	0.230 B	0.290 B	0.230 B
Cadmium	0.550	NA	0.420 B	NA	0.450 B	1.70	ND(0.500)
Chromium	8.70	NA	6.80	NA	7.00	14.0	10.0
Cobalt	7.30	NA	5.80	NA	6.70	9.10	12.0
Copper	16.0	NA	10.0	NA	13.0	35.0	16.0
Cyanide	0.0920 B	NA	0.110 B	NA	0.0930 B	0.210	0.0480 B
Lead	12.0	NA	31.0	NA	15.0	100	7.00
Mercury	ND(0.120)	NA	ND(0.110)	NA	ND(0.110)	0.150	ND(0.110)
Nickel	13.0	NA	8.20	NA	10.0	20.0	21.0
Selenium	ND(1.00)	NA	ND(1.00)	NA	ND(1.00)	2.60 J	1.90 J
Silver	ND(1.00)	NA	0.220 B	NA	ND(1.00)	ND(1.00)	ND(1.00)
Sulfide	5.50 B	NA	7.30	NA	8.80	ND(6.20)	ND(5.70)
Thallium	1.60 J	NA	1.90 J	NA	3.70	ND(1.20) J	ND(1.10) J
Tin	ND(10.0)	NA	ND(10.0)	NA	ND(10.0)	ND(10.0)	ND(10.0)
Vanadium	8.50	NA	7.80	NA	7.80	18.0	9.30
Zinc	49.0	NA	52.0	NA	44.0	120	57.0

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter	RAA9-LM10.5 12-14 01/18/05	RAA9-M5 0-1 01/06/05	RAA9-M5 6-15 01/06/05	RAA9-M5 12-14 01/06/05	RAA9-M8 0-1 01/06/05
Volatile Organics					
1,1,2,2-Tetrachloroethane	ND(0.0058)	ND(0.0069) J	NA	ND(0.0058) [ND(0.0058)]	ND(0.0063) J
1,2,3-Trichloropropane	ND(0.0058)	ND(0.0069) J	NA	ND(0.0058) [ND(0.0058)]	ND(0.0063) J
2-Butanone	ND(0.012)	ND(0.014)	NA	ND(0.012) [ND(0.012)]	ND(0.012)
Acetone	ND(0.023)	0.044 J	NA	ND(0.023) [ND(0.023)]	ND(0.027)
Benzene	ND(0.0058)	ND(0.0069)	NA	ND(0.0058) [ND(0.0058)]	ND(0.0063)
Ethylbenzene	ND(0.0058)	ND(0.0069)	NA	ND(0.0058) [ND(0.0058)]	ND(0.0063)
Methylene Chloride	ND(0.0058)	ND(0.0069)	NA	ND(0.0058) [ND(0.0058)]	0.020
Styrene	ND(0.0058)	ND(0.0069)	NA	ND(0.0058) [ND(0.0058)]	ND(0.0063)
Tetrachloroethene	ND(0.0058)	ND(0.0069) J	NA	ND(0.0058) J [ND(0.0058) J]	ND(0.0063) J
Toluene	ND(0.0058)	ND(0.0069)	NA	ND(0.0058) [ND(0.0058)]	ND(0.0063)
Trichloroethene	ND(0.0058)	ND(0.0069)	NA	ND(0.0058) [ND(0.0058)]	ND(0.0063)
Trichlorofluoromethane	ND(0.0058)	ND(0.0069)	NA	ND(0.0058) [ND(0.0058)]	ND(0.0063)
Xylenes (total)	ND(0.0058)	ND(0.0069)	NA	ND(0.0058) [ND(0.0058)]	ND(0.0063)
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	NA	ND(0.46)	ND(0.39) [ND(0.40)]	NA	ND(0.42)
1,2,4-Trichlorobenzene	NA	ND(0.46)	ND(0.39) J [ND(0.40)]	NA	ND(0.42)
1,4-Dichlorobenzene	NA	ND(0.46)	ND(0.39) J [ND(0.40)]	NA	ND(0.42)
2,4-Dimethylphenol	NA	ND(0.46)	ND(0.39) [ND(0.40)]	NA	ND(0.42)
2-Methylnaphthalene	NA	ND(0.46)	0.42 [0.12 J]	NA	ND(0.42)
Acenaphthene	NA	ND(0.46)	0.30 J [0.13 J]	NA	ND(0.42)
Acenaphthylene	NA	0.11 J	0.64 [0.61]	NA	ND(0.42)
Aniline	NA	ND(0.46) J	ND(0.39) J [ND(0.40) J]	NA	ND(0.42) J
Anthracene	NA	0.080 J	1.2 J [0.51 J]	NA	ND(0.42)
Benzo(a)anthracene	NA	0.52	2.4 J [1.2 J]	NA	0.080 J
Benzo(a)pyrene	NA	0.66	1.9 J [1.1 J]	NA	0.075 J
Benzo(b)fluoranthene	NA	0.60	1.4 [0.85]	NA	0.094 J
Benzo(g,h,i)perylene	NA	0.40 J	1.0 [0.70]	NA	ND(0.42)
Benzo(k)fluoranthene	NA	0.69	1.6 J [0.88 J]	NA	0.084 J
bis(2-Ethylhexyl)phthalate	NA	ND(0.45)	ND(0.39) [0.30 J]	NA	ND(0.41)
Chrysene	NA	0.77	2.4 J [1.3 J]	NA	0.10 J
Dibenzo(a,h)anthracene	NA	0.13 J	0.32 J [0.14 J]	NA	ND(0.42)
Dibenzofuran	NA	ND(0.46)	0.32 J [0.12 J]	NA	ND(0.42)
Diethylphthalate	NA	ND(0.46)	ND(0.39) [ND(0.40)]	NA	ND(0.42)
Dimethylphthalate	NA	ND(0.46)	ND(0.39) [ND(0.40)]	NA	ND(0.42)
Di-n-Butylphthalate	NA	ND(0.46)	ND(0.39) [ND(0.40)]	NA	ND(0.42)
Fluoranthene	NA	1.1	5.3 J [2.6 J]	NA	0.17 J
Fluorene	NA	ND(0.46)	0.95 J [0.28 J]	NA	ND(0.42)
Hexachlorobenzene	NA	ND(0.46)	ND(0.39) [ND(0.40)]	NA	ND(0.42)
Indeno(1,2,3-cd)pyrene	NA	0.32 J	0.83 [0.54]	NA	ND(0.42)
Naphthalene	NA	ND(0.46)	0.50 [0.12 J]	NA	ND(0.42)
N-Nitrosopiperidine	NA	ND(0.46)	ND(0.39) [ND(0.40)]	NA	ND(0.42)
Pentachlorobenzene	NA	ND(0.46)	ND(0.39) [ND(0.40)]	NA	ND(0.42)
Phenanthrene	NA	0.44 J	5.6 J [1.8 J]	NA	0.11 J
Phenol	NA	ND(0.46)	ND(0.39) J [0.14 J]	NA	ND(0.42)
Pyrene	NA	0.98	5.3 J [2.7 J]	NA	0.17 J
Furans					
2,3,7,8-TCDF	NA	0.0000040 Y	0.0000037 Y [0.0000058 Y]	NA	0.000025 Y
TCDFs (total)	NA	0.000033	0.00012 J [0.000047 J]	NA	0.00019
1,2,3,7,8-PeCDF	NA	ND(0.0000017)	ND(0.0000015) [ND(0.0000021)]	NA	0.0000072
2,3,4,7,8-PeCDF	NA	ND(0.0000025)	0.0000054 J [0.0000044 J]	NA	0.000010
PeCDFs (total)	NA	0.000058	0.00026 J [0.000097 J]	NA	0.00011
1,2,3,4,7,8-HxCDF	NA	0.0000058 J	0.0000045 J [0.0000042 J]	NA	0.0000057 J
1,2,3,6,7,8-HxCDF	NA	0.0000039 J	0.0000061 J [0.0000033 J]	NA	0.0000042 J
1,2,3,7,8,9-HxCDF	NA	ND(0.0000071)	ND(0.0000079) [ND(0.0000077)]	NA	ND(0.0000071)
2,3,4,6,7,8-HxCDF	NA	0.0000052 J	0.0000071 J [0.0000032 J]	NA	0.0000049 J
HxCDFs (total)	NA	0.00013	0.00022 J [0.000094 J]	NA	0.000083
1,2,3,4,6,7,8-HpCDF	NA	0.000025	0.000013 J [0.0000072 J]	NA	0.000027
1,2,3,4,7,8,9-HpCDF	NA	ND(0.0000030)	ND(0.0000028) [ND(0.0000029)]	NA	ND(0.0000024)
HpCDFs (total)	NA	0.000058	0.000031 [0.000020]	NA	0.000051
OCDF	NA	ND(0.000028)	ND(0.000091) [ND(0.000096)]	NA	ND(0.000052)

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter	RAA9-LM10.5 12-14 01/18/05	RAA9-M5 0-1 01/06/05	RAA9-M5 6-15 01/06/05	RAA9-M5 12-14 01/06/05	RAA9-M8 0-1 01/06/05
Dioxins					
2,3,7,8-TCDD	NA	ND(0.00000041)	ND(0.00000035) [ND(0.00000019)]	NA	ND(0.00000027)
TCDDs (total)	NA	0.0000026	0.00000064 [ND(0.00000042)]	NA	0.0000033
1,2,3,7,8-PeCDD	NA	ND(0.0000021)	ND(0.0000011) [ND(0.00000067)]	NA	ND(0.00000061)
PeCDDs (total)	NA	ND(0.0000028)	ND(0.0000034) [ND(0.0000014)]	NA	ND(0.0000022)
1,2,3,4,7,8-HxCDD	NA	ND(0.0000017)	ND(0.00000053) [ND(0.00000055)]	NA	ND(0.00000074)
1,2,3,6,7,8-HxCDD	NA	ND(0.0000024)	0.0000031 J [ND(0.0000020)]	NA	ND(0.0000016)
1,2,3,7,8,9-HxCDD	NA	ND(0.0000026)	ND(0.0000018) [ND(0.0000012)]	NA	ND(0.0000014)
HxCDDs (total)	NA	0.000023	0.000023 J [0.000010 J]	NA	0.0000093
1,2,3,4,6,7,8-HpCDD	NA	0.000041	0.0000090 [0.0000055 J]	NA	0.000024
HpCDDs (total)	NA	0.000082	0.000019 [0.000012]	NA	0.000041
OCDD	NA	0.00035	0.000012 [0.000016]	NA	0.00019
Total TEQs (WHO TEFs)	NA	0.0000049	0.0000063 [0.0000047]	NA	0.000011
Inorganics					
Antimony	NA	ND(6.00)	ND(6.00) [ND(6.00)]	NA	ND(6.00)
Arsenic	NA	7.00	4.60 [5.80]	NA	6.40
Barium	NA	46.0	28.0 [36.0]	NA	57.0
Beryllium	NA	ND(0.50)	ND(0.50) [ND(0.50)]	NA	ND(0.50)
Cadmium	NA	ND(0.50)	ND(0.50) [ND(0.50)]	NA	ND(0.50)
Chromium	NA	19.0 J	20.0 J [11.0 J]	NA	11.0 J
Cobalt	NA	8.30	8.00 [8.00]	NA	6.80
Copper	NA	17.0	15.0 [17.0]	NA	17.0
Cyanide	NA	0.230	0.230 [0.220]	NA	0.290
Lead	NA	41.0 J	46.0 J [13.0 J]	NA	64.0 J
Mercury	NA	0.280	ND(0.120) [ND(0.120)]	NA	0.0990 B
Nickel	NA	16.0	14.0 [15.0]	NA	12.0
Selenium	NA	2.10	1.40 [2.30]	NA	2.00
Silver	NA	0.240 B	0.140 B [ND(1.00)]	NA	ND(1.00)
Sulfide	NA	6.60 B	7.60 [5.80 B]	NA	8.00
Thallium	NA	ND(1.40)	ND(1.20) [ND(1.20)]	NA	ND(1.20)
Tin	NA	ND(10.0)	ND(10.0) [ND(10.0)]	NA	ND(10.0)
Vanadium	NA	20.0	11.0 [13.0]	NA	17.0
Zinc	NA	100 J	63.0 J [51.0 J]	NA	140 J

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
 (Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter	RAA9-M9 0-1 01/07/05	RAA9-M9 1-6 01/07/05	RAA9-M9 4-6 01/07/05	RAA9-N5 0-1 01/07/05	RAA9-N5 1-6 01/07/05	RAA9-N5 4-6 01/07/05	RAA9-N7 6-15 01/07/05
Volatile Organics							
1,1,2,2-Tetrachloroethane	ND(0.0054)	NA	ND(0.0056)	ND(0.0057) J	NA	ND(0.0070) J	NA
1,2,3-Trichloropropane	ND(0.0054)	NA	ND(0.0056)	ND(0.0057) J	NA	ND(0.0070) J	NA
2-Butanone	ND(0.011)	NA	ND(0.011)	ND(0.011)	NA	ND(0.014) J	NA
Acetone	ND(0.021)	NA	ND(0.022)	ND(0.023)	NA	ND(0.028) J	NA
Benzene	ND(0.0054)	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0070) J	NA
Ethylbenzene	ND(0.0054)	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0070) J	NA
Methylene Chloride	ND(0.0054)	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0070) J	NA
Styrene	ND(0.0054)	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0070) J	NA
Tetrachloroethene	ND(0.0054)	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0070) J	NA
Toluene	ND(0.0054)	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0070) J	NA
Trichloroethene	ND(0.0054)	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0070) J	NA
Trichlorofluoromethane	ND(0.0054)	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0070) J	NA
Xylenes (total)	ND(0.0054)	NA	ND(0.0056)	ND(0.0057)	NA	ND(0.0070) J	NA
Semivolatile Organics							
1,2,4,5-Tetrachlorobenzene	ND(0.36)	ND(0.37)	NA	ND(0.38)	ND(0.46)	NA	NA
1,2,4-Trichlorobenzene	ND(0.36)	ND(0.37)	NA	ND(0.38)	0.064 J	NA	NA
1,4-Dichlorobenzene	ND(0.36)	ND(0.37)	NA	ND(0.38)	ND(0.46)	NA	NA
2,4-Dimethylphenol	ND(0.36)	ND(0.37)	NA	ND(0.38)	ND(0.46)	NA	NA
2-Methylnaphthalene	ND(0.36)	0.036 J	NA	ND(0.38)	0.12 J	NA	NA
Acenaphthene	ND(0.36)	ND(0.37)	NA	ND(0.38)	ND(0.46)	NA	NA
Acenaphthylene	ND(0.36)	0.068 J	NA	ND(0.38)	1.6	NA	NA
Aniline	ND(0.36) J	ND(0.37) J	NA	ND(0.38) J	ND(0.46) J	NA	NA
Anthracene	ND(0.36)	0.064 J	NA	0.042 J	0.83	NA	NA
Benzo(a)anthracene	ND(0.36)	0.21 J	NA	0.15 J	2.4	NA	NA
Benzo(a)pyrene	ND(0.36)	0.18 J	NA	0.12 J	2.1	NA	NA
Benzo(b)fluoranthene	ND(0.36)	0.14 J	NA	0.12 J	1.6	NA	NA
Benzo(g,h,i)perylene	ND(0.36)	0.12 J	NA	0.046 J	1.4	NA	NA
Benzo(k)fluoranthene	ND(0.36)	0.21 J	NA	0.13 J	1.8	NA	NA
bis(2-Ethylhexyl)phthalate	ND(0.35)	ND(0.37)	NA	ND(0.38)	ND(0.46)	NA	NA
Chrysene	ND(0.36)	0.26 J	NA	0.18 J	3.0	NA	NA
Dibenzo(a,h)anthracene	ND(0.36)	ND(0.37)	NA	ND(0.38)	0.28 J	NA	NA
Dibenzofuran	ND(0.36)	ND(0.37)	NA	ND(0.38)	0.096 J	NA	NA
Diethylphthalate	ND(0.36)	ND(0.37)	NA	ND(0.38)	ND(0.46)	NA	NA
Dimethylphthalate	ND(0.36)	ND(0.37)	NA	ND(0.38)	ND(0.46)	NA	NA
Di-n-Butylphthalate	ND(0.36)	ND(0.37)	NA	ND(0.38)	ND(0.46)	NA	NA
Fluoranthene	0.048 J	0.42	NA	0.32 J	4.6	NA	NA
Fluorene	ND(0.36)	ND(0.37)	NA	ND(0.38)	0.49	NA	NA
Hexachlorobenzene	ND(0.36)	ND(0.37)	NA	ND(0.38)	ND(0.46)	NA	NA
Indeno(1,2,3-cd)pyrene	ND(0.36)	0.10 J	NA	0.051 J	1.0	NA	NA
Naphthalene	ND(0.36)	0.040 J	NA	ND(0.38)	0.13 J	NA	NA
N-Nitrosopiperidine	ND(0.36)	ND(0.37)	NA	ND(0.38)	ND(0.46)	NA	NA
Pentachlorobenzene	ND(0.36)	ND(0.37)	NA	ND(0.38)	0.064 J	NA	NA
Phenanthrene	ND(0.36)	0.39	NA	0.18 J	4.1	NA	NA
Phenol	ND(0.36)	ND(0.37)	NA	ND(0.38)	ND(0.46)	NA	NA
Pyrene	0.055 J	0.50	NA	0.32 J	5.8	NA	NA
Furans							
2,3,7,8-TCDF	ND(0.00000052) Y	0.0000070 Y	NA	0.0000022 Y	0.000032 Y	NA	0.00000081 JY
TCDFs (total)	0.0000022	0.000065	NA	0.000019	0.00030	NA	0.0000066
1,2,3,7,8-PeCDF	ND(0.00000064)	0.0000031 J	NA	ND(0.0000033)	0.0000066 J	NA	ND(0.00000091)
2,3,4,7,8-PeCDF	ND(0.00000062)	0.0000059	NA	ND(0.0000032)	0.000044	NA	ND(0.00000087)
PeCDFs (total)	ND(0.0000021)	0.000035	NA	0.000029	0.00045	NA	ND(0.0000017)
1,2,3,4,7,8-HxCDF	ND(0.00000086)	0.0000044 J	NA	ND(0.0000017)	0.000052	NA	ND(0.0000038)
1,2,3,6,7,8-HxCDF	ND(0.00000074)	0.0000037 J	NA	ND(0.00000087)	0.000019	NA	ND(0.0000036)
1,2,3,7,8,9-HxCDF	ND(0.00000045)	ND(0.00000055)	NA	ND(0.0000011)	ND(0.0000056)	NA	ND(0.0000045)
2,3,4,6,7,8-HxCDF	ND(0.00000070)	0.0000034 J	NA	0.0000042 J	0.000018	NA	ND(0.0000040)
HxCDFs (total)	0.0000042	0.000049	NA	0.000070	0.00074	NA	ND(0.0000045)
1,2,3,4,6,7,8-HpCDF	0.0000042 J	0.000014	NA	0.000024	0.000070	NA	ND(0.0000013)
1,2,3,4,7,8,9-HpCDF	ND(0.00000043)	ND(0.0000010)	NA	0.000035 J	0.000023	NA	ND(0.0000016)
HpCDFs (total)	0.0000076	0.000032	NA	0.000062	0.00023	NA	ND(0.0000016)
OCDF	ND(0.0000048)	0.000018	NA	0.000042	0.00015	NA	ND(0.0000022)

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter	RAA9-M9 0-1 Date Collected: 01/07/05	RAA9-M9 1-6 01/07/05	RAA9-M9 4-6 01/07/05	RAA9-N5 0-1 01/07/05	RAA9-N5 1-6 01/07/05	RAA9-N5 4-6 01/07/05	RAA9-N7 6-15 01/07/05
Dioxins							
2,3,7,8-TCDD	ND(0.00000048)	ND(0.00000058)	NA	ND(0.00000061)	ND(0.00000015) I	NA	ND(0.00000092)
TCDDs (total)	ND(0.00000048)	ND(0.00000077)	NA	ND(0.00000061)	ND(0.00000061)	NA	ND(0.00000092)
1,2,3,7,8-PeCDD	ND(0.00000097)	ND(0.0000012)	NA	ND(0.0000058)	ND(0.0000072) I	NA	ND(0.0000016)
PeCDDs (total)	ND(0.00000097)	ND(0.0000012)	NA	ND(0.0000058)	ND(0.00013)	NA	ND(0.0000016)
1,2,3,4,7,8-HxCDD	ND(0.00000056)	ND(0.00000057)	NA	ND(0.0000057)	ND(0.0000028)	NA	ND(0.00000094)
1,2,3,6,7,8-HxCDD	ND(0.00000049)	ND(0.00000098)	NA	ND(0.0000051)	ND(0.0000025)	NA	ND(0.00000084)
1,2,3,7,8,9-HxCDD	ND(0.00000050)	ND(0.0000011)	NA	ND(0.0000052)	ND(0.0000025)	NA	ND(0.00000086)
HxCDDs (total)	0.0000011	0.0000033	NA	ND(0.0000057)	0.000016	NA	ND(0.00000094)
1,2,3,4,6,7,8-HpCDD	0.0000077	0.000017	NA	0.000023	0.000031	NA	ND(0.0000025)
HpCDDs (total)	0.000015	0.000031	NA	0.000051	0.000068	NA	ND(0.0000025)
OCDD	0.000045	0.00016	NA	0.00020	0.00012	NA	ND(0.0000024)
Total TEQs (WHO TEFs)	0.000013	0.000063	NA	0.000062	0.000041	NA	0.000025
Inorganics							
Antimony	ND(6.00)	ND(6.00)	NA	ND(6.00)	ND(6.00)	NA	NA
Arsenic	3.30	7.80	NA	5.90	14.0	NA	NA
Barium	33.0	61.0	NA	37.0	590	NA	NA
Beryllium	ND(0.05)	ND(0.05)	NA	ND(0.05)	0.670	NA	NA
Cadmium	ND(0.05)	ND(0.05)	NA	ND(0.05)	ND(0.500)	NA	NA
Chromium	7.40	12.0	NA	10.0	14.0	NA	NA
Cobalt	9.50	10.0	NA	8.10	12.0	NA	NA
Copper	12.0	210	NA	19.0	45.0	NA	NA
Cyanide	0.0720 B	0.170	NA	0.100 B	0.270	NA	NA
Lead	8.80	130	NA	36.0	30.0	NA	NA
Mercury	0.0130 B	0.120	NA	0.100 B	0.540	NA	NA
Nickel	16.0	21.0	NA	17.0	30.0	NA	NA
Selenium	1.70	2.30	NA	1.70	4.00	NA	NA
Silver	ND(1.00)	ND(1.00)	NA	ND(1.00)	ND(1.00)	NA	NA
Sulfide	ND(5.40)	8.90	NA	7.30	33.0	NA	NA
Thallium	ND(1.10)	ND(1.10)	NA	ND(1.10)	1.70	NA	NA
Tin	ND(10.0)	ND(12.0)	NA	ND(10.0)	ND(10.0)	NA	NA
Vanadium	9.00	12.0	NA	16.0	39.0	NA	NA
Zinc	46.0	140	NA	73.0	46.0	NA	NA

Notes:

1. Samples were collected by Blasland Bouck & Lee, Inc., and were submitted to SGS Environmental Services, Inc. for analysis of Appendix IX+3 constituents.
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan, General Electric Company, Pittsfield, Massachusetts, Blasland Bouck & Lee, Inc. (approved November 4, 2002 and resubmitted December 10, 2002).
3. NA - Not Analyzed - Laboratory did not report results for this analyte.
4. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
5. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.
6. With the exception of dioxin/furans, only those constituents detected in one or more samples are summarized.

Data Qualifiers:

Organics (volatiles, semivolatiles, dioxin/furans)

- D - Compound quantitated using a secondary dilution.
- I - Polychlorinated Diphenyl Ether (PCDPE) Interference.
- J - Indicates that the associated numerical value is an estimated concentration.
- Q - Indicates the presence of quantitative interferences.
- R - Data was rejected due to a deficiency in the data generation process.
- X - Estimated maximum possible concentration.
- Y - 2,3,7,8-TCDF results have been confirmed on a DB-225 column.

Inorganics

- B - Indicates an estimated value between the instrument detection limit (IDL) and practical quantitation limit (PQL).
- J - Indicates that the associated numerical value is an estimated concentration.
- R - Data was rejected due to a deficiency in the data generation process.

TABLE 3
HISTORICAL SOIL SAMPLING DATA FOR PCBs

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID	Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
78-3	PH03B0002	0-2	1/7/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.10	0.10
	PH03B0204	2-4	1/7/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	PH03B0406	4-6	1/7/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.060	0.060
	PH03B0608	6-8	1/7/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	PH03B0810	8-10	1/7/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	PH03B1012	10-12	1/7/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	PH03B1214	12-14	1/7/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	PH03B1416	14-16	1/7/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
78-4	PH04B0002	0-2	1/9/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.65	1.6	2.25
	PH04B0204	2-4	1/9/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.060	0.46	0.52
	PH04B0406	4-6	1/9/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.68	0.18	0.86
	PH04B0608	6-8	1/9/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	1.6	0.29	1.89
	PH04B0810	8-10	1/9/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	PH04B1012	10-12	1/9/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	PH04B1214	12-14	1/9/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	PH04B1416	14-16	1/9/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
78-5	PH05B0002	0-2	1/9/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.41 *	0.41
	PH05B0204	2-4	1/9/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.050	0.050
	PH05B0406	4-6	1/9/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	PH05B0608	6-8	1/9/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	PH05B0810	8-10	1/9/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.15	0.15
	PH05B1012	10-12	1/9/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	PH05B1214	12-14	1/9/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	PH05B1416	14-16	1/9/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
78-6	PH06B0002	0-2	1/3/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	PH06B0204	2-4	1/3/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.10	ND(0.050)	0.10
	PH06B0406	4-6	1/3/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	PH06B0608	6-8	1/3/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	PH06B0810	8-10	1/3/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	PH06B1012	10-12	1/3/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	PH06B1214	12-14	1/3/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	PH06B1416	14-16	1/3/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
78-7	PH07B0002	0-2	1/10/1991	ND(0.16)	NA	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	5.3	5.3
	PH07B0204	2-4	1/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	560	170	776
	PH07B0406	4-6	1/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	180	23	212
	PH07B0608	6-8	1/10/1991	ND(45)	NA	ND(45)	ND(45)	ND(45)	280	ND(45)	294
	PH07B0810	8-10	1/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	240	71	348
	PH07B1012	10-12	1/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	33	16	57.8
	PH07B1214	12-14	1/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.70	0.16	0.92
	PH07B1416	14-16	1/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	1.3	0.38	1.82
DRA-SB-1	OPCA-SW-DRA-SB-1	0-1	6/2/2000	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.069	0.069
		1-3	6/2/2000	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.024 J	0.024 J
		3-5	6/2/2000	ND(0.037)	ND(0.037)						
		5-7	6/2/2000	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.85	0.85
	OPCA-SW-DRA-SB-2	0-1	6/2/2000	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.13	0.13
DRA-SB-3	OPCA-SW-DRA-SB-3	0-2	5/30/2000	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.050	0.050
	OPCA-SW-DRA-SB-4	0-2	5/30/2000	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.058	0.058
	OPCA-SW-DRA-SB-5	0-2	5/30/2000	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	1.4	1.4
	OPCA-SW-DRA-SB-6	0-2	5/30/2000	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.20	0.20
DRA-SB-7	OPCA-SW-DRA-SB-7	0-1	5/30/2000	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.14	0.14
		1-3	5/30/2000	ND(0.038)	ND(0.038)						
	OPCA-SW-DRA-SB-8	0-1	5/30/2000	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.38	0.38
DRA-SB-8		1-3	5/30/2000	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.098	0.098

TABLE 3
HISTORICAL SOIL SAMPLING DATA FOR PCBs

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID	Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
DRA-SB-9	OPCA-SW-DRA-SB-9	0-2 2-4	5/30/2000 5/30/2000	ND(0.039) ND(0.035)	ND(0.039) ND(0.035)	ND(0.039) ND(0.035)	ND(0.039) ND(0.035)	ND(0.039) ND(0.035)	ND(0.039) ND(0.035)	0.021 J ND(0.035)	0.021 J ND(0.035)
DRA-SB-10	OPCA-SW-DRA-SB-10	0-2 2-4	5/30/2000 5/30/2000	ND(0.039) ND(0.037)	ND(0.039) ND(0.037)	ND(0.039) ND(0.037)	ND(0.039) ND(0.037)	ND(0.039) ND(0.037)	ND(0.039) ND(0.037)	0.042 ND(0.037)	0.042 ND(0.037)
DRA-SB-11	OPCA-SW-DRA-SB-11	0-2 2-4	5/30/2000 5/30/2000	ND(0.040) ND(0.039)	ND(0.040) ND(0.039)	ND(0.040) ND(0.039)	ND(0.040) ND(0.039)	ND(0.040) ND(0.039)	ND(0.040) ND(0.039)	0.033 J ND(0.039)	0.033 J ND(0.039)
DRA-SB-12	OPCA-SW-DRA-SB-12	0-1 1-3	5/30/2000 5/30/2000	ND(0.041) ND(0.038)	ND(0.041) ND(0.038)	ND(0.041) ND(0.038)	ND(0.041) ND(0.038)	ND(0.041) ND(0.038)	ND(0.041) ND(0.038)	0.042 ND(0.038)	0.042 ND(0.038)
DRA-SB-13	OPCA-SW-DRA-SB-13	0-1 1-3	5/31/2000 5/31/2000	ND(0.045) ND(0.038)	ND(0.045) ND(0.038)	ND(0.045) ND(0.038)	ND(0.045) ND(0.038)	ND(0.045) ND(0.038)	ND(0.045) ND(0.038)	0.10 ND(0.038)	0.10 ND(0.038)
DRA-SB-14	OPCA-SW-DRA-SB-14	0-2 2-4	5/31/2000 5/31/2000	ND(0.038) ND(0.039)	ND(0.038) ND(0.039)	ND(0.038) ND(0.039)	ND(0.038) ND(0.039)	ND(0.038) ND(0.039)	ND(0.038) ND(0.039)	ND(0.038) ND(0.039)	ND(0.038) ND(0.039)
DRA-SB-15	OPCA-SW-DRA-SB-15	0-2 2-4 4-6	5/31/2000 5/31/2000 5/31/2000	ND(0.039) ND(0.038) ND(0.53)	ND(0.039) ND(0.038) ND(0.53)	ND(0.039) ND(0.038) ND(0.53)	ND(0.039) ND(0.038) ND(0.53)	ND(0.039) ND(0.038) ND(0.53)	ND(0.039) ND(0.038) ND(0.53)	ND(0.039) ND(0.038) ND(0.53)	ND(0.039) ND(0.038) ND(0.53)
DRA-SB-16	OPCA-SW-DRA-SB-16	0-2 2-4 4-6	6/2/2000 6/2/2000 6/2/2000	ND(0.040) ND(0.039) ND(0.038)	ND(0.040) ND(0.039) ND(0.038)	ND(0.040) ND(0.039) ND(0.038)	ND(0.040) ND(0.039) ND(0.038)	ND(0.040) ND(0.039) ND(0.038)	ND(0.040) ND(0.039) ND(0.038)	0.038 J 0.031 J ND(0.038)	0.038 J 0.031 J ND(0.038)
DRA-SB-17	OPCA-SW-DRA-SB-17	0-1 1-3 3-5 5-7 7-9	6/2/2000 6/2/2000 6/2/2000 6/2/2000 6/2/2000	ND(0.038) ND(0.038) ND(0.040) ND(0.036) ND(0.038)	ND(0.038) ND(0.038) ND(0.040) ND(0.036) ND(0.038)	ND(0.038) ND(0.038) ND(0.040) ND(0.036) ND(0.038)	ND(0.038) ND(0.038) ND(0.040) ND(0.036) ND(0.038)	ND(0.038) ND(0.038) ND(0.040) ND(0.036) ND(0.038)	ND(0.038) ND(0.038) ND(0.040) ND(0.036) ND(0.038)	0.068 0.022 J ND(0.040) ND(0.036) ND(0.038)	0.068 0.022 J ND(0.040) ND(0.036) ND(0.038)
DRA-SB-18	OPCA-SW-DRA-SB-18	0-1 1-3 3-5 5-7	6/2/2000 6/2/2000 6/2/2000 6/2/2000	ND(0.043) ND(0.037) ND(0.037) ND(0.037)	ND(0.043) ND(0.037) ND(0.037) ND(0.037)	ND(0.043) ND(0.037) ND(0.037) ND(0.037)	ND(0.043) ND(0.037) ND(0.037) ND(0.037)	ND(0.043) ND(0.037) ND(0.037) ND(0.037)	ND(0.043) ND(0.037) ND(0.037) ND(0.037)	0.088 ND(0.037) ND(0.037) 0.021 J	0.088 ND(0.037) ND(0.037) 0.021 J
DRA-SB-19	OPCA-SW-DRA-SB-19	4-6	7/13/2000	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	2.0	2.0
DRA-SB-20	OPCA-SW-DRA-SB-20	4-6	7/13/2000	ND(3.8)	ND(3.8)	ND(3.8)	ND(3.8)	ND(3.8)	ND(3.8)	58	58
DRA-SB-21	OPCA-SW-DRA-SB-21	4-6	7/13/2000	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.050	0.050
H78B-13	H13B00.5	0-0.5	7/23/1996	ND(0.036)	ND(0.072)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.60	0.60
	H13B0.502	0.5-2	7/23/1996	ND(0.17)	ND(0.36)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	13	13
	H13B0204	2-4	7/23/1996	ND(0.037)	ND(0.076)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.63 P	0.63
	H13B0406	4-6	7/23/1996	ND(0.18)	ND(0.37)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	17 P	17
	H13B0608	6-8	7/23/1996	ND(0.048)	ND(0.098)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	6.5 P	6.5
	H13B0810	8-10	7/23/1996	ND(0.064)	ND(0.13)	ND(0.064)	ND(0.064)	ND(0.064)	ND(0.064)	12	12
	H13B1416	14-16	7/23/1996	ND(0.36)	ND(0.74)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	0.63 P	0.63
H78B-14	H14B00.5	0-0.5	7/24/1996	ND(0.036)	ND(0.072)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	1.5 P	1.5
	H14B0.502	0.5-2	7/24/1996	ND(0.035)	ND(0.070)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	1.7 P	1.7
	H14B0204	2-4	7/24/1996	ND(0.035)	ND(0.072)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.013 JP	0.013 J
	H14B0406	4-6	7/24/1996	ND(0.038)	ND(0.077)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.077)
	H14B0608	6-8	7/24/1996	ND(0.040)	ND(0.080)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.080)
	H14B0810	8-10	7/24/1996	ND(0.042)	ND(0.086)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.086)
	H14B1012	10-12	7/24/1996	ND(0.042) [ND(0.039)]	ND(0.084) [ND(0.078)]	ND(0.042) [ND(0.039)]	ND(0.042) [ND(0.039)]	ND(0.042) [ND(0.039)]	ND(0.042) [ND(0.039)]	ND(0.042) [ND(0.039)]	ND(0.084) [ND(0.078)]
H78B-15	H15B00.5	0-0.5	7/18/1996	ND(0.035)	ND(0.072)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.30	0.30
	H15B0.502	0.5-2	7/18/1996	ND(0.034)	ND(0.070)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.21 P	0.21
	H15B0204	2-4	7/18/1996	ND(0.038)	ND(0.077)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	72 P	72
	H15B0406	4-6	7/18/1996	ND(0.036)	ND(0.073)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	2.9	2.9
	H15B0608	6-8	7/18/1996	ND(0.037)	ND(0.076)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.14 P	0.14
	H15B0810	8-10	7/18/1996	ND(0.037)	ND(0.076)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.096	0.096
	H15B1012	10-12	7/18/1996	ND(0.037)	ND(0.075)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.070	0.070
	H15B1214	12-14	7/18/1996	ND(0.040)	ND(0.081)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.057	0.057
	H15B1416	14-16	7/18/1996	ND(0.037)	ND(0.075)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.075)

TABLE 3
HISTORICAL SOIL SAMPLING DATA FOR PCBs

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID	Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
H78B-16	H16B00.5	0-0.5	7/25/1996	ND(0.22)	ND(0.44)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	6.0	6.0
	H16B0.502	0.5-2	7/25/1996	ND(0.37)	ND(0.75)	ND(0.37)	ND(0.37)	ND(0.37)	ND(0.37)	0.73	0.73
	H16B0204	2-4	7/25/1996	ND(0.037)	ND(0.075)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.041 JP	0.041 J
	H16B0406	4-6	7/25/1996	ND(0.036) [ND(0.035)]	ND(0.072) [ND(0.072)]	ND(0.036) [ND(0.035)]	ND(0.072) [ND(0.072)]				
	H16B0608	6-8	7/25/1996	ND(0.036)	ND(0.073)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.013 JP	0.013 J
	H16B0810	8-10	7/25/1996	ND(0.040)	ND(0.080)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.080)
	H16B1012	10-12	7/25/1996	ND(0.042)	ND(0.085)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.085)
	H16B1214	12-14	7/25/1996	ND(0.040)	ND(0.082)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.082)
H78B-17	H17B00.5	0-0.5	7/24/1996	ND(0.034)	ND(0.069)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.91	0.91
	H17B0.502	0.5-2	7/24/1996	ND(0.34)	ND(0.69)	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.34)	23	23
	H17B0204	2-4	7/24/1996	ND(0.037)	ND(0.075)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.32	0.32
	H17B0406	4-6	7/24/1996	ND(0.036)	ND(0.072)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.072)
	H17B0608	6-8	7/24/1996	ND(0.036)	ND(0.072)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.072)
	H17B0810	8-10	7/24/1996	ND(0.034)	ND(0.070)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.070)
	H17B1012	10-12	7/24/1996	ND(0.035)	ND(0.071)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.071)
	H17B1214	12-14	7/24/1996	ND(0.035)	ND(0.071)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.071)
H78B-18	H18B00.5	0-0.5	7/23/1996	ND(0.039)	ND(0.079)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.79	0.79
	H18B0.502	0.5-2	7/23/1996	ND(0.038)	ND(0.077)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	14	14
	H18B0204	2-4	7/23/1996	ND(0.037)	ND(0.074)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	45	45
	H18B0406	4-6	7/23/1996	ND(0.036)	ND(0.073)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.039 JP	0.039 J
	H18B0608	6-8	7/23/1996	ND(0.036)	ND(0.073)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.022 J	0.022 J
	H18B0810	8-10	7/23/1996	ND(0.38)	ND(0.77)	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.77)
	H18B1012	10-12	7/23/1996	ND(0.038)	ND(0.077)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.077)
	H18B1214	12-14	7/23/1996	ND(0.042)	ND(0.086)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.086)
H78B-19	H19B00.5	0-0.5	7/19/1996	ND(0.039)	ND(0.080)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.22	0.22
	H19B0.502	0.5-2	7/19/1996	ND(0.036)	ND(0.074)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.077	0.077
	H19B0204	2-4	7/19/1996	ND(0.038)	ND(0.076)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.035 J	0.035 J
	H19B0406	4-6	7/19/1996	ND(0.036)	ND(0.074)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.64 P	0.64
	H19B0608	6-8	7/19/1996	ND(0.18)	ND(0.38)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	0.44 P	0.44
	H19B0810	8-10	7/19/1996	ND(0.037)	ND(0.076)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.076)
	H19B1012	10-12	7/19/1996	ND(0.18)	ND(0.38)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	0.037 JP	0.037 J
	H19B1214	12-14	7/19/1996	ND(0.18)	ND(0.38)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.38)
H78B-21	H21B00.5	0-0.5	7/19/1996	ND(0.038)	ND(0.078)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.22	0.22
	H21B0.502	0.5-2	7/19/1996	ND(0.037) [ND(0.038)]	ND(0.075) [ND(0.077)]	ND(0.037) [ND(0.038)]	ND(0.037) [ND(0.038)]	ND(0.037) [ND(0.038)]	ND(0.037) [ND(0.038)]	0.014 JP [0.024 JP]	0.014 J [0.024 J]
	H21B0204	2-4	7/19/1996	ND(0.037)	ND(0.075)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.018 JP	0.018 J
	H21B0406	4-6	7/19/1996	ND(0.038)	ND(0.077)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.73	0.73
	H21B0608	6-8	7/19/1996	ND(0.038)	ND(0.076)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.59	0.59
	H21B0810	8-10	7/19/1996	ND(0.038)	ND(0.077)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.077)
	H21B1012	10-12	7/19/1996	ND(0.039)	ND(0.079)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.079)
	H21B1214	12-14	7/19/1996	ND(0.038)	ND(0.078)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.078)
H78B-22	H22B00.5	0-0.5	7/24/1996	ND(0.039)	ND(0.078)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	7.8	7.8
	H22B0.502	0.5-2	7/24/1996	ND(0.037)	ND(0.075)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	7.3 P	7.3
	H22B0204	2-4	7/24/1996	ND(0.041)	ND(0.083)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.040	0.040
	H22B0406	4-6	7/24/1996	ND(0.037)	ND(0.076)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.076)
	H22B0608	6-8	7/24/1996	ND(0.040)	ND(0.081)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.081)
	H22B0810	8-10	7/24/1996	ND(0.040)	ND(0.081)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.081)
	H22B1012	10-12	7/24/1996	ND(0.040)	ND(0.081)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.081)
	H22B1214	12-14	7/24/1996	ND(0.040)	ND(0.081)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.081)
H78B-24	H24B00.5	0-0.5	7/17/1996	ND(0.38)	ND(0.77)	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	7.0	7.0
	H24B0.502	0.5-2	7/17/1996	ND(0.036)	ND(0.073)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.81	0.81
	H24B0204	2-4	7/17/1996	ND(0.034)	ND(0.070)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.051	0.051
	H24B0406	4-6	7/17/1996	ND(0.039)	ND(0.079)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.079)
	H24B0608	6-8	7/17/1996	ND(0.037)	ND(0.076)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.076)
	H24B0809	8-9	7/17/1996	ND(0.036)	ND(0.072)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.037 P	0.037

TABLE 3
HISTORICAL SOIL SAMPLING DATA FOR PCBs

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID	Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
H78B-25	H25B00.5	0-0.5	7/15/1996	ND(0.056)	ND(0.11)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	25 P	25
	H25B0.502	0.5-2	7/15/1996	ND(0.037)	ND(0.076)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	8.3 P	8.3
	H25B0204	2-4	7/15/1996	ND(0.038)	ND(0.078)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.23 P	0.23
	H25B0406	4-6	7/15/1996	ND(0.036)	ND(0.073)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.12 P	0.12
	H250608	6-8	7/15/1996	ND(0.038)	ND(0.076)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.069 P	0.069
	H25B1012	10-12	7/15/1996	ND(0.037)	ND(0.076)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.034 JP	0.034 J
H78B-27	H27B00.5	0-0.5	7/22/1996	ND(0.18)	ND(0.37)	ND(0.18)	ND(0.18)	ND(0.18)	21	ND(0.18)	21
	H27B0.502	0.5-2	7/22/1996	ND(0.19) [ND(2.0)]	ND(0.39) [ND(4.0)]	ND(0.19) [ND(2.0)]	ND(0.19) [ND(2.0)]	ND(0.19) [ND(2.0)]	510 P [ND(2.0)]	200 P [450 P]	710 [450]
	H27B0204	2-4	7/22/1996	ND(0.036)	ND(0.073)	ND(0.036)	ND(0.036)	ND(0.036)	1.4	ND(0.036)	1.4
	H27B0406	4-6	7/22/1996	ND(0.039)	ND(0.079)	ND(0.039)	ND(0.039)	ND(0.039)	5.3	ND(0.039)	5.3
	H270608	6-8	7/22/1996	ND(0.039)	ND(0.079)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.017 J	0.017 J
	H27B0810	8-10	7/22/1996	ND(0.041)	ND(0.083)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.057 P	0.057
H78B-29	H29B00.5	0-0.5	7/25/1996	ND(0.040)	ND(0.082)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	4.7	4.7
	H29B0.502	0.5-2	7/25/1996	ND(0.039)	ND(0.080)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	1.4 P	1.4
	H29B0204	2-4	7/25/1996	ND(0.036)	ND(0.074)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	11 P	11
	H29B0406	4-6	7/25/1996	ND(0.038)	ND(0.077)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.073 P	0.073
	H29B0608	6-8	7/25/1996	ND(0.039)	ND(0.079)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.18	0.18
	H29B0810	8-10	7/25/1996	ND(0.038)	ND(0.077)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.077)
	H29B1012	10-12	7/25/1996	ND(0.035)	ND(0.072)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.072)
	H29B1214	12-14	7/25/1996	ND(0.037)	ND(0.076)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.076)
	H29B1416	14-16	7/25/1996	ND(0.041)	ND(0.084)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.011 JP	0.011 J
H78B-30	H30B00.5	0-0.5	6/25/1997	ND(6.9)	ND(14)	ND(6.9)	ND(6.9)	ND(6.9)	ND(6.9)	190	190
	H30B0.502	0.5-2	6/25/1997	ND(3.5) [ND(3.5)]	ND(7.0) [ND(7.0)]	ND(3.5) [ND(3.5)]	ND(3.5) [ND(3.5)]	ND(3.5) [ND(3.5)]	ND(3.5) [ND(3.5)]	80 [90]	80 [90]
	H30B0204	2-4	6/25/1997	ND(0.035)	ND(0.072)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	4.6 P	4.6
	H30B0406	4-6	6/25/1997	ND(0.036)	ND(0.073)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	2.5	2.5
	H30B0608	6-8	6/25/1997	ND(0.037)	ND(0.074)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.074	0.074
	H30B0810	8-10	6/25/1997	ND(0.037)	ND(0.075)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.17 P	0.17
	H30B1012	10-12	6/25/1997	ND(0.036)	ND(0.074)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.18	0.18
H78B-31	H31B00.5	0-0.5	6/25/1997	ND(0.036)	ND(0.074)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	1.3	1.3
	H31B0.502	0.5-2	6/25/1997	ND(0.035)	ND(0.071)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	2.5	2.5
	H31B0204	2-4	6/25/1997	ND(0.035)	ND(0.072)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	3.1	3.1
	H31B0406	4-6	6/25/1997	ND(0.18)	ND(0.38)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	6.1	6.1
	H31B0608	6-8	6/25/1997	ND(0.038)	ND(0.078)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.29	0.29
	H31B0810	8-10	6/25/1997	ND(0.037)	ND(0.075)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.39	0.39
	H31B1012	10-12	6/25/1997	ND(0.036)	ND(0.074)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.019 J	0.019 J
H78SE-3	H78SE-3	0-1	9/11/1996	ND(1.7) [ND(0.25)]	ND(3.5) [ND(0.50)]	ND(1.7) [ND(0.25)]	ND(1.7) [ND(0.25)]	ND(1.7) [ND(0.25)]	ND(1.7) [ND(0.25)]	3.7 [3.5]	3.7 [3.5]
H78SE-5	H78SE-5	0-0.9	9/11/1996	ND(0.036)	ND(0.074)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.38	0.38
H78SE-6	H78SE-6	0-1	9/11/1996	ND(1.7)	ND(3.5)	ND(1.7)	ND(1.7)	ND(1.7)	ND(1.7)	200	200
H78SS-1	H78SS-1	0-0.5	8/20/1996	ND(0.20)	ND(0.40)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	1.6 P	1.6
H78SS-3	H78SS-3	0-0.5	8/20/1996	ND(0.037)	ND(0.075)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.16	0.16
H78SS-4	H78SS-4	0-0.5	8/20/1996	ND(0.042)	ND(0.085)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	6.0	6.0
H78SS-5	H78SS-5	0-0.5	8/20/1996	ND(0.18)	ND(0.36)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	0.17 P	0.17
		0.5-1	8/20/1996	ND(0.036)	ND(0.073)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.39 P	0.39
		1-1.5	8/20/1996	ND(0.036)	ND(0.074)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.11 P	0.11
		1.5-2	8/20/1996	ND(0.037)	ND(0.074)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.070 P	0.070
H78SS-6	H78SS-6	0-0.5	8/20/1996	ND(0.035)	ND(0.071)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.14 P	0.14
		0.5-1	8/20/1996	ND(0.036)	ND(0.073)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.021 JP	0.021 J
		1-1.5	8/20/1996	ND(0.035)	ND(0.070)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.070)
		1.5-2	8/20/1996	ND(0.034)	ND(0.070)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.042	0.042
H78SS-7	H78SS-7	0-0.5	8/20/1996	ND(0.036) [ND(0.036)]	ND(0.074) [ND(0.072)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	1.5 P [1.9 P]	1.5 [1.9]
		0.5-1	8/20/1996	ND(0.036)	ND(0.074)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	1.1 P	1.1
		1-1.5	8/20/1996	ND(0.18)	ND(0.38)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	0.043 P	0.043
		1.5-2	8/20/1996	ND(0.17)	ND(0.34)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	0.030 P	0.030
H78SS-8	H78SS-8	0-0.5	8/20/1996	ND(0.17)	ND(0.34)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	4.4	4.4
		0.5-1	8/20/1996	ND(0.035)	ND(0.070)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.37	0.37
		1-1.5	8/20/1996	ND(0.035)	ND(0.072)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.49	0.49
		1.5-2	8/20/1996	ND(0.037)	ND(0.074)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.072	0.072

TABLE 3
HISTORICAL SOIL SAMPLING DATA FOR PCBs

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID	Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
LCH-SB-1	LCH-SB-1	0-2	3/7/2000	ND(0.18)	ND(0.18)	ND(0.18)	0.24	0.46	1.2	1.9	
		2-4	3/7/2000	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.041	0.041	0.041
		4-6	3/7/2000	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.21	0.39	
LCH-SB-2	LCH-SB-2	0-2	3/7/2000	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.11	0.19	0.30
LCH-SB-3	LCH-SB-3	0-2	3/7/2000	ND(0.036) [ND(0.036)]	0.079 [0.098]	0.11 [0.14]	0.189 [0.238]				
LCH-SB-4	LCH-SB-4	0-2	3/7/2000	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.28	0.44	0.72
LCH-SB-5	LCH-SB-5	0-2	3/7/2000	ND(0.039)							
		2-4	3/7/2000	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.045	0.057	0.102
LCH-SB-6	LCH-SB-6	0-2	3/7/2000	ND(0.038)							
LCH-SB-7	LCH-SB-7	0-2	3/7/2000	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.081	0.081
LCH-SB-8	LCH-SB-8	0-2	3/7/2000	ND(0.041)							
LCH-SB-9	LCH-SB-9	0-2	3/7/2000	ND(0.037)							
OPCA-1	OPCA-1	0-1	5/26/1999	ND(0.043)							
		1-6	5/26/1999	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.093	0.093
		6-15	5/26/1999	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.045	0.045
OPCA-4	OPCA-4	0-1	5/26/1999	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.073	0.073
		1-6	5/26/1999	ND(35)	ND(35)	ND(35)	ND(35)	ND(35)	ND(35)	65	65
		6-15	5/26/1999	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.16	0.16
OPCA-5	OPCA-5	0-1	5/25/1999	ND(0.75)	ND(0.75)	ND(0.75)	ND(0.75)	ND(0.75)	ND(0.75)	22	22
		1-6	5/25/1999	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.044	ND(0.037)	0.044
		6-15	5/25/1999	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.022 J	ND(0.038)	0.022 J
OPCA-6	OPCA-6	0-1	5/26/1999	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.077	0.077
		1-6	5/26/1999	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.024 J	ND(0.036)	0.024 J
		6-15	5/26/1999	ND(0.036)							
OPCA-7	OPCA-7	0-1	5/25/1999	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.78	0.78
		1-6	5/25/1999	ND(0.037) [ND(0.037)]	0.18 [0.18]	0.18 [0.18]					
		6-15	5/25/1999	ND(0.038)							
OPCA-8	OPCA-8	0-1	5/26/1999	ND(0.038) [ND(0.037)]	0.22 [0.22]	0.22 [0.22]					
		1-6	5/26/1999	ND(0.035)							
		6-15	5/26/1999	ND(0.036)							
OPCA-9	OPCA-9	0-1	5/28/1999	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.038 J	0.038 J
		1-6	5/28/1999	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	3.7	3.7
		6-15	5/28/1999	ND(0.040) [ND(0.040)]	0.34 [0.19]	0.34 [0.19]					
NY-5	PHNY51416	14-16	7/10/1991	ND(0.023)							
SE-1	PHS1S	0-1	9/23/1991	ND(0.023) [ND(0.026)]							
SE-2	PHS2S	0-1	9/23/1991	ND(0.022)							
PS-E-5	PS-E-5A	0-2	7/26/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.46 *	0.51 *	0.97
		2-6	7/26/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
		6-10	7/26/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
PS-E-11	PS-E-11A	0-2	7/26/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.15 *	0.15
		2-6	7/26/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
		6-10	7/26/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
PS-E-14	PS-E-14A	0-2	7/26/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.19 *	0.19
		2-6	7/26/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
		6-10	7/26/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
PS-E-17	PS-E-17A	0-2	7/26/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.26 *	0.26
		2-6	7/26/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.13	0.13
		6-10	7/26/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.050	0.050
PS-W-1	PS-W-1A	0-4	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.45 *	0.45
		4-8	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
PS-W-3	PS-W-3A	0-4	7/7/1989	ND(0.36)	NA	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	2.8 *	2.8
		4-8	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.080 *	0.080
PS-W-5	PS-W-5A	0-4	7/7/1989	ND(0.68)	NA	ND(0.68)	ND(0.68)	ND(0.68)	ND(0.68)	20	20
		4-8	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.070	0.070
PS-W-7	PS-W-7A	0-2	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.23	1.4	1.63
		2-6	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.080 *	0.080
		6-10	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)

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GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID	Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
PS-W-9	PS-W-9A	0-4	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.15	0.50	0.65
	PS-W-9B	4-8	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.20	0.20
PS-W-11	PS-W-11A	0-4	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.76	1.6	2.36
	PS-W-11B	4-8	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.050	0.30	0.35
PS-W-13	PS-W-13A	0-4	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	5.0	3.6	8.6
	PS-W-13B	4-8	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.39 *	0.22	0.61
PS-W-15	PS-W-15A	0-4	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	17	4.8	21.8
	PS-W-15B	4-8	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	5.5	ND(0.31)	5.5
PS-W-17	PS-W-17A	0-2	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	1.9	6.5	8.4
	PS-W-17B	2-6	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.19	0.17	0.36
	PS-W-17C	6-10	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	PS-W-17D	10-14	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
PS-W-18	PS-W-18A	0-2	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.50	4.2	4.7
	PS-W-18B	2-6	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	PS-W-18C	6-10	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	PS-W-18D	10-14	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.13	0.13
PS-W-22	PS-W-22A	0-2	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	6.6	22	28.6
	PS-W-22B	2-6	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	9.2	7.3	16.5
	PS-W-22C	6-10	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.11	0.27	0.38
PS-W-24	PS-W-24A	0-4	8/30/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	15	81	96
	PS-W-24B	4-8	8/30/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.47	0.60	1.07
PS-W-25	PS-W-25A	0-4	7/26/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	8.6	62	70.6
	PS-W-25B	4-8	7/26/1989	ND(1.2)	NA	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	39	39
PS-W-26	PS-W-26A	0-4	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	16	22	38
	PS-W-26B	4-8	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	29	24	53
PS-W-27	PS-W-27A	0-4	7/26/1989	ND(2.6)	NA	ND(2.6)	ND(2.6)	ND(2.6)	ND(2.6)	31 *	31
	PS-W-27B	4-8	7/26/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	8.8 *	13 *	21.8
PS-W-30	PS-W-30A	0-4	7/8/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	3.2	34	37.2
	PS-W-30B	4-8	7/8/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	9.1 *	29 *	38.1
PS-W-34	PS-W-34A	0-4	7/8/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	2.8	13	15.8
	PS-W-34B	4-8	7/8/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.72	1.3	2.02
PS-W-38	PS-W-38A	0-4	7/8/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	1.1	0.85	1.95
	PS-W-38B	4-8	7/8/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.080	0.12	0.20
PS-W-42	PS-W-42A	0-4	7/8/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	4.1 *	1.8 *	5.9
	PS-W-42B	4-8	7/8/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.050 *	0.060 *	0.11
RAA9-1	RAA9-1	0-1	8/1/2002	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.20	0.39	0.59
		1-6	8/1/2002	ND(0.035) [ND(0.038)]	0.40 [0.27]	0.64 [0.52]	1.04 [0.79]				
		6-15	8/1/2002	ND(18)	ND(18)	ND(18)	ND(18)	ND(18)	ND(18)	180	180
RAA9-2	RAA9-2	0-1	8/2/2002	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.10	0.10	0.20
		1-6	8/2/2002	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.084	0.084
		6-15	8/2/2002	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
S2	S2	0-0.9	9/11/1996	ND(0.52)	ND(1.0)	ND(0.52)	ND(0.52)	ND(0.52)	ND(0.52)	1.3 P	1.3
SE-1	Hill 78SE1	0-1	5/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.070	0.63	0.70
SE-2	Hill 78SE2	0-1	5/10/1991	ND(0.15)	NA	ND(0.15)	ND(0.15)	ND(0.15)	2.5	ND(0.15)	2.5
SSR-1	SSR-1	0-2	6/3/1999	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.34	0.34
		2-4	6/3/1999	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.037 J	0.037 J
		4-6	6/3/1999	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
		6-8	6/3/1999	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
		8-10	6/3/1999	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
		10-12	6/3/1999	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
SSR-2	SSR-2	0-2	6/3/1999	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.10	ND(0.036)	0.10
		2-4	6/3/1999	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
		4-6	6/3/1999	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.039	0.039
		6-8	6/3/1999	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.029 J	0.029 J
		8-10	6/3/1999	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.014 J	0.014 J
		10-12	6/3/1999	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.013 J	0.013 J
		12-14	6/3/1999	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)

TABLE 3
HISTORICAL SOIL SAMPLING DATA FOR PCBs

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID	Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
SSR-3	SSR-3	0-2	6/3/1999	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.040	0.040
		2-4	6/3/1999	ND(0.036)	ND(0.036)						
		4-6	6/3/1999	ND(0.036)	ND(0.036)						
		6-8	6/3/1999	ND(0.036)	ND(0.036)						
		8-10	6/3/1999	ND(0.037)	ND(0.037)						
		10-12	6/3/1999	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.020 J	0.020 J
		12-14	6/3/1999	ND(0.037)	ND(0.037)						
SSR-4	SSR-4	0-2	6/3/1999	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.074	ND(0.034)	0.074
		2-4	6/3/1999	ND(0.036)	ND(0.036)						
		4-6	6/3/1999	ND(0.035)	ND(0.035)						
		6-8	6/3/1999	ND(0.036)	ND(0.036)						
		8-10	6/3/1999	ND(0.037)	ND(0.037)						
		10-12	6/3/1999	ND(0.039)	ND(0.039)						
		12-14	6/3/1999	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.019 J	0.019 J
SSR-5	SSR-5	0-2	6/3/1999	ND(0.036)	ND(0.036)						
		2-4	6/3/1999	ND(0.034)	ND(0.034)						
		4-6	6/3/1999	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.054	0.054
		6-8	6/3/1999	ND(0.039)	ND(0.039)						
		8-10	6/3/1999	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.024 J	0.024 J
		10-12	6/3/1999	ND(0.037)	ND(0.037)						
		12-14	6/3/1999	ND(0.037)	ND(0.037)						
SSR-6	SSR-6	0-2	6/3/1999	ND(0.035)	ND(0.035)						
		2-4	6/3/1999	ND(0.036)	ND(0.036)						
		4-6	6/3/1999	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.015 J	0.015 J
		6-8	6/3/1999	ND(0.037)	ND(0.037)						
		8-10	6/3/1999	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.051	0.051
		10-12	6/3/1999	ND(0.038)	ND(0.038)						
		12-14	6/3/1999	ND(0.036)	ND(0.036)						
SSR-7	SSR-7	0-2	6/3/1999	ND(0.037)	ND(0.037)						
		2-4	6/3/1999	ND(0.036)	ND(0.036)						
		4-6	6/3/1999	ND(0.035)	ND(0.035)						
		6-8	6/3/1999	ND(0.034)	ND(0.034)						
		8-10	6/3/1999	ND(0.034)	ND(0.034)						
		10-12	6/3/1999	ND(0.036)	ND(0.036)						
		12-14	6/3/1999	ND(0.036)	ND(0.036)						
SSR-8	SSR-8	0-2	6/4/1999	ND(0.037)	ND(0.037)						
		2-4	6/4/1999	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.040	0.040
		4-6	6/4/1999	ND(0.035)	ND(0.035)						
		6-8	6/4/1999	ND(0.037)	ND(0.037)						
		8-10	6/4/1999	ND(0.035)	ND(0.035)						
		10-12	6/4/1999	ND(0.037)	ND(0.037)						
		12-14	6/4/1999	ND(0.036)	ND(0.036)						
SSR-9	SSR-9	0-2	6/4/1999	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.19	0.19
		2-4	6/4/1999	ND(0.034)	ND(0.034)						
		4-6	6/4/1999	ND(0.034)	ND(0.034)						
		6-8	6/4/1999	ND(0.035)	ND(0.035)						
		8-10	6/4/1999	ND(0.036)	ND(0.036)						
		10-12	6/4/1999	ND(0.037)	ND(0.037)						
		12-14	6/4/1999	ND(0.036)	ND(0.036)						
SSR-10	SSR-10	0-2	6/4/1999	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.26	0.26
		2-4	6/4/1999	ND(0.037)	ND(0.037)						
		4-6	6/4/1999	ND(0.036)	ND(0.036)						
		6-8	6/4/1999	ND(0.035)	ND(0.035)						
		8-10	6/4/1999	ND(0.035)	ND(0.035)						
		10-12	6/4/1999	ND(0.035)	ND(0.035)						
		12-14	6/4/1999	ND(0.034)	ND(0.034)						
SSR-11	SSR-11	0-2	6/4/1999	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.053	0.053
		2-4	6/4/1999	ND(0.034)	ND(0.034)						
		4-6	6/4/1999	ND(0.035)	ND(0.035)						
		6-8	6/4/1999	ND(0.035)	ND(0.035)						
		8-10	6/4/1999	ND(0.034)	ND(0.034)						
		10-12	6/4/1999	ND(0.034)	ND(0.034)						
		12-14	6/4/1999	ND(0.034)	ND(0.034)						

TABLE 3
HISTORICAL SOIL SAMPLING DATA FOR PCBs

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
 (Results are presented in dry weight parts per million, ppm)

Location ID	Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
SSR-12	SSR-12	0-2	6/4/1999	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.28	ND(0.035)	0.28
		2-4	6/4/1999	ND(0.034)	ND(0.034)						
		4-6	6/4/1999	ND(0.035)	ND(0.035)						
		6-8	6/4/1999	ND(0.034)	ND(0.034)						
		8-10	6/4/1999	ND(0.034)	ND(0.034)						
SSR-13	SSR-13	0-2	6/4/1999	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.70)	8.6	ND(0.70)	8.6
		2-4	6/4/1999	ND(0.035)	ND(0.035)						
		4-6	6/4/1999	ND(0.035)	ND(0.035)						
		6-8	6/4/1999	ND(0.034)	ND(0.034)						
		8-10	6/4/1999	ND(0.036)	ND(0.036)						
SSR-14	SSR-14	0-2	6/4/1999	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	43	43
		2-4	6/4/1999	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.34)	4.9	ND(0.34)	4.9
		4-6	6/4/1999	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.94	ND(0.037)	0.94
		6-8	6/4/1999	ND(0.035)	ND(0.035)						
		8-10	6/4/1999	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.41	ND(0.036)	0.41

Notes:

1. Samples were collected and analyzed by General Electric Company subcontractors for PCBs.
2. NA - Not Analyzed - Laboratory did not report results for this analyte.
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. Field duplicate sample results are presented in brackets.

Data Qualifiers:

Organics (volatiles, semivolatiles, dioxin/furans)

J - Indicates an estimated value less than the practical quantitation limit (PQL).

P - Greater than 25% difference between primary and confirmation column.

* - Sample exhibits alteration of standard aroclor pattern.

TABLE 4
HISTORICAL SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY- PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	78-4 PH04B0406 4-6 01/09/91	H78B-13 H13B0204 2-4 07/23/96	H78B-15 H15B1012 10-12 07/18/96	H78B-16 H16B0810 8-10 07/25/96	H78B-17 H17B1214 12-14 07/24/96	H78B-19 H19B0406 4-6 07/19/96	H78B-21 H21B0406 4-6 07/19/96
Volatile Organics								
1,1,1-Trichloroethane	ND(0.0060)	ND(0.023)	ND(0.022)	ND(0.024)	ND(0.021)	ND(0.022)	ND(0.022)	ND(0.023)
1,2-Dibromo-3-chloropropane	ND(0.012)	ND(0.057)	ND(0.056)	ND(0.060)	ND(0.053)	ND(0.056)	ND(0.058)	ND(0.058)
Acetone	0.076 B	0.026 JB	0.027 JB	0.041 JB	0.040 JB	0.034 JB	0.031 JB	
Acetonitrile	NA	0.013 J	ND(0.22)	ND(0.24)	ND(0.21)	ND(0.22)	ND(0.23)	
Chlorobenzene	ND(0.0060)	ND(0.017)	ND(0.017)	ND(0.018)	ND(0.016)	ND(0.017)	ND(0.017)	
Methylene Chloride	0.044 B	0.036 B	0.024 B	0.025 B	0.022 B	0.023 B	0.020 B	
Toluene	ND(0.0060)	ND(0.017)	ND(0.017)	ND(0.018)	ND(0.016)	ND(0.017)	ND(0.017)	
Trichlorofluoromethane	ND(0.0060)	ND(0.023)	ND(0.022)	ND(0.024)	ND(0.021)	ND(0.022)	ND(0.023)	
Semivolatile Organics								
1,2,4,5-Tetrachlorobenzene	ND(0.39)	ND(1.5)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.5)	ND(1.5)	
1,2,4-Trichlorobenzene	ND(0.39)	ND(0.62)	ND(0.61)	ND(0.66)	ND(0.59)	ND(0.62)	ND(0.64)	
1,4-Dichlorobenzene	ND(0.39)	ND(0.59)	ND(0.58)	ND(0.63)	ND(0.55)	ND(0.58)	ND(0.60)	
1-Methylnaphthalene	ND(0.39)	NA	NA	NA	NA	NA	NA	
2-Methylnaphthalene	ND(0.39)	ND(0.95)	ND(0.93)	ND(1.0)	ND(0.89)	0.14 J	ND(0.98)	
3-Methylcholanthrene	ND(0.39)	ND(0.69)	ND(0.68)	ND(0.73)	ND(0.65)	ND(0.68)	ND(0.71)	
Acenaphthene	ND(0.39)	ND(0.75)	ND(0.73)	ND(0.80)	ND(0.70)	0.091 J	ND(0.77)	
Acenaphthylene	ND(0.39)	ND(0.76)	ND(0.74)	ND(0.81)	ND(0.71)	0.13 J	ND(0.78)	
Aniline	ND(0.39)	ND(0.64)	ND(0.62)	ND(0.67)	ND(0.60)	ND(0.63)	ND(0.65)	
Anthracene	ND(0.39)	ND(0.84)	ND(0.82)	ND(0.89)	ND(0.79)	0.35 J	ND(0.86)	
Benz(a)anthracene	ND(0.39)	0.17 J	ND(0.73)	ND(0.80)	ND(0.70)	0.79	ND(0.77)	
Benzo(a)pyrene	ND(0.39)	0.16 J	ND(0.73)	ND(0.80)	ND(0.70)	0.75	ND(0.77)	
Benzo(b)fluoranthene	ND(0.39)	0.33 XJ	ND(0.85)	ND(0.93)	ND(0.82)	1.1 X	ND(0.90)	
Benzo(g,h,i)perylene	ND(0.39)	0.12 J	ND(0.69)	ND(0.75)	ND(0.66)	0.34 J	ND(0.72)	
Benzo(k)fluoranthene	ND(0.39)	0.35 XJ	ND(0.69)	ND(0.75)	ND(0.66)	1.2 X	ND(0.72)	
Benzoic Acid	ND(3.9)	NA	NA	NA	NA	NA	NA	
bis(2-Ethylhexyl)phthalate	1.3	0.077 J	ND(0.83)	ND(0.90)	0.041 J	0.060 J	0.054 J	
Butylbenzylphthalate	0.042 J	ND(0.77)	ND(0.75)	ND(0.82)	ND(0.72)	ND(0.76)	ND(0.79)	
Chrysene	ND(0.39)	0.19 J	ND(0.60)	ND(0.65)	ND(0.57)	0.82	ND(0.63)	
Dibenzo(a,h)anthracene	ND(0.39)	ND(0.49)	ND(0.48)	ND(0.52)	ND(0.46)	0.064 J	ND(0.50)	
Dibenzofuran	ND(0.39)	ND(0.78)	ND(0.77)	ND(0.83)	ND(0.73)	0.13 J	ND(0.80)	
Dimethylphthalate	ND(0.39)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.0)	ND(1.1)	ND(1.1)	
Di-n-Octylphthalate	0.30 J	ND(0.55)	ND(0.53)	ND(0.58)	ND(0.51)	ND(0.54)	ND(0.56)	
Fluoranthene	ND(0.39)	0.29 J	ND(1.0)	ND(1.1)	ND(0.98)	1.7	ND(1.1)	
Fluorene	ND(0.39)	ND(0.78)	ND(0.77)	ND(0.83)	ND(0.73)	0.35 J	ND(0.80)	
Indeno(1,2,3-cd)pyrene	ND(0.39)	0.11 J	ND(0.51)	ND(0.55)	ND(0.49)	0.32 J	ND(0.53)	
Naphthalene	ND(0.39)	ND(0.75)	ND(0.73)	ND(0.80)	ND(0.70)	0.17 J	ND(0.77)	
Phenanthrene	ND(0.39)	0.12 J	ND(0.69)	ND(0.75)	ND(0.66)	1.6	ND(0.72)	
Pyrene	ND(0.39)	0.31 J	ND(0.81)	ND(0.88)	ND(0.78)	1.5	ND(0.85)	
Total Phenols	NA	NA	NA	NA	NA	NA	NA	
Organochlorine Pesticides								
Alpha-BHC	NA	NA	NA	NA	NA	NA	NA	
Delta-BHC	NA	NA	NA	NA	NA	NA	NA	
Endosulfan I	NA	NA	NA	NA	NA	NA	NA	
Organophosphate Pesticides								
None Detected	NA	NA	NA	NA	NA	NA	NA	
Herbicides								
None Detected	NA	NA	NA	NA	NA	NA	NA	
Furans								
2,3,7,8-TCDF	NA	0.0000026 Y	ND(0.000049)	ND(0.00000018) Y	ND(0.000051)	0.0000019 Y	0.00000059 Y	
TCDFs (total)	NA	0.000021	ND(0.000049)	ND(0.00000043)	ND(0.000051)	0.00018	0.000027	
1,2,3,7,8-PeCDF	NA	ND(0.00000093)	ND(0.000020)	ND(0.00000036)	ND(0.000027)	ND(0.000054) I	ND(0.0000016)	
2,3,4,7,8-PeCDF	NA	ND(0.00000017)	ND(0.000020)	ND(0.00000033)	ND(0.000027)	0.0000052 J	0.00000025	
PeCDFs (total)	NA	0.000039	ND(0.000020)	ND(0.00000036)	ND(0.000027)	0.00052	ND(0.0000044)	
1,2,3,4,7,8-HxCDF	NA	0.00000039 J	ND(0.000021)	ND(0.00000016)	ND(0.000046)	ND(0.0000023)	ND(0.00000062)	
1,2,3,6,7,8-HxCDF	NA	ND(0.00000019)	ND(0.000021)	ND(0.00000013)	ND(0.000046)	0.0000073	ND(0.00000021)	
1,2,3,7,8,9-HxCDF	NA	ND(0.00000013)	ND(0.000021)	ND(0.00000016)	ND(0.000046)	ND(0.00000067)	ND(0.00000032)	
2,3,4,6,7,8-HxCDF	NA	0.0000053 J	ND(0.000021)	ND(0.00000067)	ND(0.000046)	0.0000067	ND(0.00000065)	
HxCDFs (total)	NA	0.000053	ND(0.000021)	ND(0.00000067)	ND(0.000046)	0.00014	ND(0.0000031)	
1,2,3,4,6,7,8-HpCDF	NA	0.000038	ND(0.000018)	ND(0.00000016)	ND(0.000036)	0.0000070	ND(0.00000065)	
1,2,3,4,7,8,9-HpCDF	NA	ND(0.00000014)	ND(0.000018)	ND(0.00000021)	ND(0.000036)	ND(0.00000096)	ND(0.00000011)	
HpCDFs (total)	NA	0.000075	ND(0.000018)	ND(0.00000021)	ND(0.000036)	0.000016	ND(0.00000065)	
OCDF	NA	0.000020	ND(0.000075)	ND(0.00000035)	ND(0.000094)	ND(0.00000017)	ND(0.00000018)	

TABLE 4
HISTORICAL SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY- PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Location ID:	78-4	H78B-13	H78B-15	H78B-16	H78B-17	H78B-19	H78B-21
	Sample ID:	PH04B0406	H13B0204	H15B1012	H16B0810	H17B1214	H19B0406	H21B0406
	Sample Depth(Feet):	4-6	2-4	10-12	8-10	12-14	4-6	4-6
	Date Collected:	01/09/91	07/23/96	07/18/96	07/25/96	07/24/96	07/19/96	07/19/96
Dioxins								
2,3,7,8-TCDD		NA	ND(0.0000018)	ND(0.000011)	ND(0.0000019)	ND(0.000018)	ND(0.0000024)	ND(0.0000023)
TCDDs (total)		NA	0.0000021	ND(0.000011)	ND(0.0000035)	ND(0.000018)	ND(0.0000061)	ND(0.0000023)
1,2,3,7,8-PeCDD		NA	ND(0.0000027)	ND(0.000039)	ND(0.0000035)	ND(0.000062)	ND(0.0000082)	ND(0.0000022)
PeCDDs (total)		NA	ND(0.0000048)	ND(0.000039)	ND(0.0000068)	ND(0.000062)	ND(0.0000046)	ND(0.0000022)
1,2,3,4,7,8-HxCDD		NA	ND(0.000012)	ND(0.000030)	ND(0.0000052)	ND(0.000067)	ND(0.0000047)	ND(0.0000031)
1,2,3,6,7,8-HxCDD		NA	0.0000036 J	ND(0.000030)	ND(0.0000051)	ND(0.000067)	0.0000048 J	ND(0.0000026)
1,2,3,7,8,9-HxCDD		NA	ND(0.000015)	ND(0.000030)	ND(0.0000053)	ND(0.000067)	0.0000031 J	ND(0.0000031)
HxCDDs (total)		NA	0.000018	ND(0.000030)	ND(0.0000053)	ND(0.000067)	0.000038	ND(0.0000042)
1,2,3,4,6,7,8-HpCDD		NA	0.000092	ND(0.000025)	ND(0.0000044)	ND(0.000049)	0.0000092	ND(0.0000038)
HpCDDs (total)		NA	0.000015	ND(0.000025)	ND(0.0000044)	ND(0.000049)	0.000019	ND(0.0000052)
OCDD		NA	0.000069	ND(0.000056)	ND(0.0000018)	ND(0.000097)	0.0000062 J	ND(0.0000033)
Total TEQs (WHO TEFs)		NA	0.0000039	0.000042	0.0000051	0.000070	0.0000072	0.0000059
Inorganics								
Aluminum		NA	NA	NA	NA	NA	NA	NA
Antimony		NA	0.580 BN	0.430 BN	0.330 BN	0.310 BN	0.420 BN	0.340 BN
Arsenic		NA	7.90	4.50	3.80	3.00	5.90	3.00
Barium		NA	34.1	36.0	32.5	44.1	45.5	33.3
Beryllium		NA	0.250 B	0.210 B	0.240 B	0.230 B	0.340 B	0.270 B
Cadmium		NA	ND(0.0300) N	ND(0.0300) N	ND(0.0400) N	ND(0.0300) N	ND(0.0300) N	ND(0.0300) N
Calcium		NA	NA	NA	NA	NA	NA	NA
Chromium		NA	9.10	8.90	9.70	6.10	10.1	9.40
Cobalt		NA	9.70 E	9.40 E	7.60 E	8.30 E	9.30 E	8.30 E
Copper		NA	41.2	25.0	16.5	14.6	19.9	15.6
Cyanide		NA	ND(0.560)	ND(0.0100)	ND(0.600)	ND(0.530)	ND(0.560)	ND(0.580)
Iron		NA	NA	NA	NA	NA	NA	NA
Lead		NA	75.7 E	6.30 E	7.50 E	8.10 E	10.3 E	7.30 E
Magnesium		NA	NA	NA	NA	NA	NA	NA
Manganese		NA	NA	NA	NA	NA	NA	NA
Mercury		NA	ND(0.100)	ND(0.110)	ND(0.120)	ND(0.110)	0.140	ND(0.120)
Nickel		NA	17.5 E	17.3 E	14.9 E	14.4 E	17.5 E	15.2 E
Potassium		NA	NA	NA	NA	NA	NA	NA
Selenium		NA	ND(0.330) N	ND(0.330) N	ND(0.350) N	ND(0.290) N	ND(0.320) N	ND(0.320) N
Sodium		NA	NA	NA	NA	NA	NA	NA
Sulfide		NA	ND(57.7)	ND(59.2)	ND(110)	ND(46.0)	ND(54.4)	ND(55.1)
Tin		NA	2.20 B	1.70 B	2.30 B	1.70 B	2.10 B	2.10 B
Vanadium		NA	7.70	5.60	7.10	5.40	9.90	7.80
Zinc		NA	68.9	53.8	44.3	37.0	52.4	44.2

TABLE 4
HISTORICAL SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY- PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	H78B-24 H24B0406 4-6 07/17/96	H78B-25 H25B1012 10-12 07/15/96	H78B-27 H27B0204 2-4 07/22/96	H78B-29 H29B1214 12-14 07/25/96	H78B-30 H30B1214 12-14 06/25/97	H78B-31 H31B0608 6-8 06/25/97
Volatile Organics							
1,1,1-Trichloroethane	ND(0.023)	ND(0.023)	ND(0.022)	ND(0.023)	0.0020 JB	0.0010 JB	
1,2-Dibromo-3-chloropropane	ND(0.058)	ND(0.057)	ND(0.055)	ND(0.057)	0.0010 JB	ND(0.057)	
Acetone	0.017 JB	0.020 JB	0.016 JB	0.042 JB	0.025 JB	0.024 JB	
Acetonitrile	ND(0.23)	0.041 J	ND(0.22)	0.0040 J	0.030 JB	0.056 JB	
Chlorobenzene	ND(0.017)	ND(0.017)	ND(0.016)	ND(0.017)	ND(0.017)	ND(0.017)	
Methylene Chloride	0.014 JB	0.019 B	0.023 B	0.027 B	0.0040 JB	0.0060 JB	
Toluene	ND(0.017)	ND(0.017)	ND(0.016)	ND(0.017)	0.0020 JB	0.0010 JB	
Trichlorofluoromethane	ND(0.023)	ND(0.023)	ND(0.022)	ND(0.023)	ND(0.022)	ND(0.023)	
Semivolatile Organics							
1,2,4,5-Tetrachlorobenzene	ND(1.5)	ND(1.5)	ND(1.5)	ND(1.5)	ND(1.5)	ND(1.5)	
1,2,4-Trichlorobenzene	ND(0.62)	ND(0.63)	ND(0.64)	ND(0.62)	ND(0.61)	ND(0.63)	
1,4-Dichlorobenzene	ND(0.59)	ND(0.60)	ND(0.61)	ND(0.59)	ND(0.58)	ND(0.60)	
1-Methylnaphthalene	NA	NA	NA	NA	NA	NA	
2-Methylnaphthalene	ND(0.95)	ND(0.97)	ND(0.98)	ND(0.95)	ND(0.94)	ND(0.97)	
3-Methylcholanthrene	ND(0.69)	ND(0.70)	ND(0.72)	ND(0.69)	ND(0.68)	ND(0.70)	
Acenaphthene	ND(0.75)	ND(0.76)	ND(0.77)	ND(0.75)	ND(0.74)	ND(0.76)	
Acenaphthylene	ND(0.76)	ND(0.77)	ND(0.79)	ND(0.76)	ND(0.75)	ND(0.77)	
Aniline	ND(0.64)	ND(0.64)	ND(0.66)	ND(0.64)	ND(0.62)	ND(0.64)	
Anthracene	ND(0.84)	ND(0.85)	ND(0.87)	ND(0.84)	ND(0.83)	ND(0.85)	
Benz(a)anthracene	ND(0.75)	ND(0.76)	ND(0.77)	ND(0.75)	ND(0.74)	ND(0.76)	
Benz(a)pyrene	ND(0.75)	ND(0.76)	ND(0.77)	ND(0.75)	ND(0.74)	ND(0.76)	
Benz(b)fluoranthene	ND(0.88)	ND(0.88)	ND(0.90)	ND(0.88)	ND(0.86)	ND(0.89)	
Benz(g,h,i)perylene	ND(0.70)	ND(0.71)	ND(0.73)	ND(0.70)	ND(0.69)	ND(0.71)	
Benz(k)fluoranthene	ND(0.70)	ND(0.71)	ND(0.73)	ND(0.70)	ND(0.69)	ND(0.71)	
Benzoic Acid	NA	NA	NA	NA	NA	NA	
bis(2-Ethylhexyl)phthalate	0.066 J	ND(0.86)	0.071 J	0.073 J	0.56 J	0.39 J	
Butylbenzylphthalate	ND(0.77)	ND(0.78)	ND(0.80)	ND(0.77)	ND(0.76)	ND(0.78)	
Chrysene	ND(0.61)	ND(0.62)	ND(0.63)	ND(0.61)	ND(0.60)	ND(0.62)	
Dibenzo(a,h)anthracene	ND(0.49)	ND(0.49)	ND(0.50)	ND(0.49)	ND(0.48)	ND(0.50)	
Dibenzofuran	ND(0.78)	ND(0.79)	ND(0.81)	ND(0.78)	ND(0.77)	ND(0.79)	
Dimethylphthalate	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	
Di-n-Octylphthalate	ND(0.55)	ND(0.55)	ND(0.56)	ND(0.55)	ND(0.54)	ND(0.55)	
Fluoranthene	ND(1.0)	ND(1.1)	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.1)	
Fluorene	ND(0.78)	ND(0.79)	ND(0.81)	ND(0.78)	ND(0.77)	ND(0.79)	
Indeno(1,2,3-cd)pyrene	ND(0.52)	ND(0.53)	ND(0.54)	ND(0.52)	ND(0.51)	ND(0.53)	
Naphthalene	ND(0.75)	ND(0.76)	ND(0.77)	ND(0.75)	ND(0.74)	ND(0.76)	
Phenanthrene	ND(0.70)	ND(0.71)	ND(0.73)	ND(0.70)	ND(0.69)	ND(0.71)	
Pyrene	ND(0.83)	ND(0.84)	ND(0.86)	ND(0.83)	ND(0.81)	ND(0.84)	
Total Phenols	NA	NA	NA	NA	NA	NA	
Organochlorine Pesticides							
Alpha-BHC	NA	NA	NA	NA	NA	NA	
Delta-BHC	NA	NA	NA	NA	NA	NA	
Endosulfan I	NA	NA	NA	NA	NA	NA	
Organophosphate Pesticides							
None Detected	NA	NA	NA	NA	NA	NA	
Herbicides							
None Detected	NA	NA	NA	NA	NA	NA	
Furans							
2,3,7,8-TCDF	ND(0.00000018)	ND(0.000046)	0.00000097 JY	ND(0.000054)	0.00000082 JY	ND(0.00000055)	
TCDFs (total)	ND(0.00000018)	ND(0.000046)	0.0000054	ND(0.000054)	0.000012	ND(0.00000055)	
1,2,3,7,8-PeCDF	ND(0.00000018)	ND(0.000023)	ND(0.00000031)	ND(0.000031)	ND(0.00000053)	ND(0.00000026)	
2,3,4,7,8-PeCDF	ND(0.00000015)	ND(0.000023)	ND(0.00000030)	ND(0.000031)	ND(0.00000014)	ND(0.00000026)	
PeCDFs (total)	ND(0.00000018)	ND(0.000023)	ND(0.0000013)	ND(0.000031)	0.000064	ND(0.0000018)	
1,2,3,4,7,8-HxCDF	ND(0.00000018)	ND(0.000032)	ND(0.00000062)	ND(0.000052)	0.0000057	ND(0.00000036)	
1,2,3,6,7,8-HxCDF	ND(0.00000014)	ND(0.000032)	ND(0.00000021)	ND(0.000052)	0.0000040 J	ND(0.00000036)	
1,2,3,7,8,9-HxCDF	ND(0.00000018)	ND(0.000032)	ND(0.00000018)	ND(0.000052)	ND(0.00000018)	ND(0.00000019)	
2,3,4,6,7,8-HxCDF	ND(0.00000027)	ND(0.000032)	ND(0.0000053)	ND(0.000052)	0.0000067	ND(0.00000060)	
HxCDFs (total)	ND(0.00000027)	ND(0.000032)	ND(0.000011)	ND(0.000052)	0.00015	ND(0.0000020)	
1,2,3,4,6,7,8-HpCDF	ND(0.00000010)	ND(0.000025)	ND(0.00000053)	ND(0.000035)	0.000026	ND(0.00000091)	
1,2,3,4,7,8,9-HpCDF	ND(0.00000095)	ND(0.000025)	ND(0.00000016)	ND(0.000035)	0.0000036 J	ND(0.00000025)	
HpCDFs (total)	ND(0.00000019)	ND(0.000025)	ND(0.00000053)	ND(0.000035)	0.000064	ND(0.0000010)	
OCDF	ND(0.00000094)	ND(0.000074)	ND(0.0000093)	ND(0.00012)	0.0000093 J	ND(0.00000096)	

TABLE 4
HISTORICAL SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY- PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	H78B-24 H24B0406 4-6 07/17/96	H78B-25 H25B1012 10-12 07/15/96	H78B-27 H27B0204 2-4 07/22/96	H78B-29 H29B1214 12-14 07/25/96	H78B-30 H30B1214 12-14 06/25/97	H78B-31 H31B0608 6-8 06/25/97
Dioxins							
2,3,7,8-TCDD	ND(0.00000028)	ND(0.000012)	ND(0.00000014)	ND(0.000018)	ND(0.00000017)	ND(0.00000019)	
TCDDs (total)	ND(0.00000028)	ND(0.000012)	ND(0.00000019)	ND(0.000018)	0.00000062	ND(0.00000019)	
1,2,3,7,8-PeCDD	ND(0.00000016)	ND(0.000047)	ND(0.00000018)	ND(0.000083)	ND(0.000012)	ND(0.00000032)	
PeCDDs (total)	ND(0.00000016)	ND(0.000047)	ND(0.00000018)	ND(0.000083)	ND(0.000022)	ND(0.00000032)	
1,2,3,4,7,8-HxCDD	ND(0.00000034)	ND(0.000051)	ND(0.00000018)	ND(0.000055)	ND(0.000014)	ND(0.00000050)	
1,2,3,6,7,8-HxCDD	ND(0.00000029)	ND(0.000051)	ND(0.00000016)	ND(0.000055)	ND(0.000013)	ND(0.00000046)	
1,2,3,7,8,9-HxCDD	ND(0.00000034)	ND(0.000051)	ND(0.00000018)	ND(0.000055)	ND(0.000019)	ND(0.00000044)	
HxCDDs (total)	ND(0.00000034)	ND(0.000051)	ND(0.00000030)	ND(0.000055)	0.000016	ND(0.00000050)	
1,2,3,4,6,7,8-HpCDD	ND(0.00000028)	ND(0.000028)	ND(0.00000033)	ND(0.000048)	0.000051 J	ND(0.00000044)	
HpCDDs (total)	ND(0.00000028)	ND(0.000028)	ND(0.00000033)	ND(0.000048)	0.000014	ND(0.00000044)	
OCDD	ND(0.00000038)	ND(0.000077)	ND(0.00000029)	ND(0.00011)	0.000025	ND(0.0000027)	
Total TEQs (WHO TEFs)	0.00000036	0.000053	0.00000045	0.000081	0.0000030	0.00000051	
Inorganics							
Aluminum	NA	NA	NA	NA	NA	NA	
Antimony	0.370 BN	0.470 BN	0.320 BN	ND(0.240) N	ND(0.270) N	ND(0.280) N	
Arsenic	5.00	6.20	4.80	3.90	2.60	5.40	
Barium	40.2	48.9	37.2	27.5	26.5	29.1	
Beryllium	0.300 B	0.380 B	0.290 B	0.150 B	0.210 B	0.260 B	
Cadmium	ND(0.0300) N	ND(0.0300) N	ND(0.0300) N	ND(0.0300) N	ND(0.0400)	0.310 B	
Calcium	NA	NA	NA	NA	NA	NA	
Chromium	11.3	14.5	9.70	7.70	7.60 *	12.3 *	
Cobalt	12.5 E	14.5 E	14.2 E	7.00 E	NA	NA	
Copper	33.3	34.6	23.1	13.0	11.7	19.0	
Cyanide	ND(0.580)	ND(0.570)	ND(0.580)	ND(0.590)	NA	NA	
Iron	NA	NA	NA	NA	NA	NA	
Lead	9.50 E	12.1 E	16.3 E	5.30 E	5.60 *	8.90 *	
Magnesium	NA	NA	NA	NA	NA	NA	
Manganese	NA	NA	NA	NA	NA	NA	
Mercury	ND(0.100)	ND(0.110)	ND(0.100)	ND(0.110)	ND(0.0600)	ND(0.0600)	
Nickel	23.1 E	27.0 E	17.3 E	14.5 E	11.9	19.9	
Potassium	NA	NA	NA	NA	NA	NA	
Selenium	ND(0.340) N	ND(0.340) N	ND(0.330) N	ND(0.330) N	0.620	ND(0.500)	
Sodium	NA	NA	NA	NA	NA	NA	
Sulfide	ND(45.4)	ND(55.0)	ND(69.6)	ND(63.0)	NA	NA	
Tin	1.40 B	1.90 B	2.40 B	1.90 B	2.10 B	1.70 B	
Vanadium	9.00	11.5	7.60	5.10 B	7.60	10.8	
Zinc	98.1	90.6	52.6	41.2	37.4 N*	70.4 N*	

TABLE 4
HISTORICAL SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY- PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID:	H78SE-3	H78SS-1	H78SS-3	H78SS-4	NY-5	OPCA-1
Sample ID:	H78SE-3	H78SS-1	H78SS-3	H78SS-4	PHNY51416	OPCA-1
Sample Depth(Feet):	0-1	0-0.5	0-0.5	0-0.5	14-16	0-1
Parameter	Date Collected:	09/11/96	08/20/96	08/20/96	07/10/91	05/26/99
Volatile Organics						
1,1,1-Trichloroethane	ND(0.021) [ND(0.030)]	ND(0.024)	ND(0.022)	ND(0.025)	ND(0.0060)	ND(0.18)
1,2-Dibromo-3-chloropropane	ND(0.052) [ND(0.076)]	0.0010 JB	ND(0.056)	0.0020 JB	ND(0.012)	ND(0.18)
Acetone	0.010 JB [0.020 JB]	ND(0.11)	0.038 JB	0.032 JB	ND(0.012)	ND(3.6)
Acetonitrile	0.022 JB [0.035 JB]	0.015 JB	0.030 JB	0.018 JB	NA	ND(3.6)
Chlorobenzene	0.0040 J [0.0020 J]	ND(0.018)	ND(0.017)	ND(0.019)	ND(0.0060)	ND(0.18)
Methylene Chloride	0.0090 JB [0.016 JB]	0.0070 JB	0.0050 JB	0.014 JB	0.019 B	ND(0.18)
Toluene	ND(0.016) [ND(0.023)]	ND(0.018)	ND(0.017)	ND(0.019)	ND(0.0060)	ND(0.18)
Trichlorofluoromethane	0.0010 J [ND(0.030)]	ND(0.024)	ND(0.022)	ND(0.025)	ND(0.0060)	ND(0.18)
Semivolatile Organics						
1,2,4,5-Tetrachlorobenzene	ND(1.3) [ND(1.9)]	ND(1.5)	ND(1.5)	ND(1.6)	ND(0.38)	ND(0.42)
1,2,4-Trichlorobenzene	ND(0.57) [ND(0.82)]	ND(0.65)	ND(0.62)	ND(0.70)	ND(0.38)	ND(0.42)
1,4-Dichlorobenzene	ND(0.54) [ND(0.78)]	ND(0.61)	ND(0.58)	ND(0.66)	ND(0.38)	ND(0.42)
1-Methylnaphthalene	0.039 J	NA	NA	NA	ND(0.38)	NA
2-Methylnaphthalene	0.037 J [ND(1.3)]	ND(0.99)	ND(0.94)	ND(1.1)	ND(0.38)	ND(0.42)
3-Methylcholanthrene	ND(0.63) [ND(0.91)]	ND(0.72)	ND(0.68)	ND(0.77)	ND(0.38)	ND(0.85)
Acenaphthene	0.24 J [0.28 J]	ND(0.78)	ND(0.74)	ND(0.84)	ND(0.38)	ND(0.42)
Acenaphthylene	0.072 J [0.091 J]	0.047 J	ND(0.75)	0.046 J	ND(0.38)	ND(0.42)
Aniline	ND(0.58) [ND(0.84)]	ND(0.66)	ND(0.63)	ND(0.71)	ND(0.38)	ND(0.42)
Anthracene	0.60 J [0.73 J]	ND(0.88)	ND(0.83)	ND(0.94)	ND(0.38)	ND(0.42)
Benz(a)anthracene	2.9 D [3.3]	0.18 J	0.041 J	0.27 J	ND(0.38)	ND(0.42)
Benzo(a)pyrene	3.0 D [3.5]	0.25 J	0.050 J	0.39 J	ND(0.38)	ND(0.42)
Benzo(b)fluoranthene	5.6 DX [7.3 X]	0.44 JX	0.093 JX	0.67 JX	ND(0.38)	ND(0.42)
Benzo(g,h,i)perylene	1.7 D [5.8]	0.13 J	ND(0.69)	0.21 J	ND(0.38)	ND(0.42)
Benzo(k)fluoranthene	5.7 DX [5.2 X]	0.48 JX	0.10 JX	0.75 JX	ND(0.38)	ND(0.42)
Benzoic Acid	0.084 J	NA	NA	NA	ND(3.8)	NA
bis(2-Ethylhexyl)phthalate	0.63 J [1.2]	ND(0.89)	ND(0.84)	0.060 J	0.16 J	ND(0.42)
Butylbenzylphthalate	0.20 J [0.11 J]	ND(0.80)	ND(0.76)	ND(0.86)	ND(0.38)	ND(0.85)
Chrysene	3.7 D [4.2]	0.28 J	0.056 J	0.41 J	ND(0.38)	ND(0.42)
Dibenzo(a,h)anthracene	0.22 J [0.40 J]	ND(0.51)	ND(0.48)	ND(0.54)	ND(0.38)	ND(0.85)
Dibenzofuran	0.15 J [0.18 J]	ND(0.82)	ND(0.77)	ND(0.87)	ND(0.38)	ND(0.42)
Dimethylphthalate	0.11 J [ND(1.4)]	ND(1.1)	ND(1.1)	ND(1.2)	ND(0.38)	ND(0.42)
Di-n-Octylphthalate	0.043 J [ND(0.72)]	ND(0.57)	ND(0.54)	ND(0.61)	ND(0.38)	ND(0.42)
Fluoranthene	8.3 D [6.7]	0.48 J	0.10 J	0.71 J	0.041 J	ND(0.42)
Fluorene	0.38 J [0.47 J]	ND(0.82)	ND(0.77)	ND(0.87)	ND(0.38)	ND(0.42)
Indeno(1,2,3-cd)pyrene	1.3 D [1.8]	0.10 J	ND(0.52)	0.15 J	ND(0.38)	ND(0.85)
Naphthalene	0.047 J [ND(0.99)]	ND(0.78)	ND(0.74)	ND(0.84)	ND(0.38)	ND(0.42)
Phenanthrene	4.7 D [4.9]	0.27 J	0.054 J	0.45 J	0.087 J	ND(0.42)
Pyrene	8.4 D [7.1]	0.48 J	0.10 J	0.84 J	0.074 J	ND(0.42)
Total Phenols	NA	NA	NA	NA	ND(0.12)	NA
Organochlorine Pesticides						
Alpha-BHC	NA	NA	NA	NA	ND(0.0012)	NA
Delta-BHC	NA	NA	NA	NA	ND(0.0012)	NA
Endosulfan I	NA	NA	NA	NA	ND(0.0017)	NA
Organophosphate Pesticides						
None Detected	NA	NA	NA	NA	--	NA
Herbicides						
None Detected	NA	NA	NA	NA	--	NA
Furans						
2,3,7,8-TCDF	NA	0.000034 Y	0.0000037 Y	0.000023 Y	ND(0.000017)	0.0000037
TCDFs (total)	NA	0.00023	0.000018	0.00020	ND(0.000042)	0.000023
1,2,3,7,8-PeCDF	NA	0.0000092 J	ND(0.00000099)	0.0000065 J	NR	ND(0.0000010) X
2,3,4,7,8-PeCDF	NA	0.000012	ND(0.0000011)	0.0000092 J	NR	0.0000016
PeCDFs (total)	NA	0.00035	0.000013	0.00020	ND(0.000042)	0.000021
1,2,3,4,7,8-HxCDF	NA	0.000028	ND(0.0000019)	0.000018	NR	0.0000042
1,2,3,6,7,8-HxCDF	NA	ND(0.0000056) I	ND(0.00000094)	ND(0.000014) I	NR	0.0000021 J
1,2,3,7,8,9-HxCDF	NA	ND(0.00000080)	ND(0.00000016)	ND(0.00000050)	NR	ND(0.00000015) X
2,3,4,6,7,8-HxCDF	NA	0.000029	ND(0.0000017)	0.000012 J	NR	0.0000016 J
HxCDFs (total)	NA	0.00056	0.000064	0.00022	ND(0.000063)	0.000020
1,2,3,4,6,7,8-HpCDF	NA	0.000093	ND(0.0000038)	0.000047	NR	0.0000072
1,2,3,4,7,8,9-HpCDF	NA	0.000016	ND(0.0000064)	0.000069 J	NR	0.0000011 J
HpCDFs (total)	NA	0.00021	ND(0.0000038)	0.00010	ND(0.000095)	0.000013
OCDF	NA	0.000058	ND(0.0000066)	0.000071	ND(0.000017)	0.0000033 J

TABLE 4
HISTORICAL SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY- PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID:	H78SE-3	H78SS-1	H78SS-3	H78SS-4	NY-5	OPCA-1
Sample ID:	H78SE-3	H78SS-1	H78SS-3	H78SS-4	PHNY51416	OPCA-1
Sample Depth(Feet):	0-1	0-0.5	0-0.5	0-0.5	14-16	0-1
Parameter	Date Collected:	09/11/96	08/20/96	08/20/96	07/10/91	05/26/99
Dioxins						
2,3,7,8-TCDD	NA	ND(0.00000053)	ND(0.00000037)	ND(0.00000073)	ND(0.000045)	0.00000017 J
TCDDs (total)	NA	0.0000060	ND(0.00000072)	0.0000039	ND(0.000056)	0.00000013
1,2,3,7,8-PeCDD	NA	ND(0.0000031)	ND(0.00000084)	ND(0.0000016)	NR	0.00000054 J
PeCDDs (total)	NA	ND(0.0000080)	ND(0.0000099)	ND(0.0000041)	ND(0.000058)	0.00000014
1,2,3,4,7,8-HxCDD	NA	ND(0.0000029)	ND(0.0000044)	ND(0.000015)	NR	ND(0.0000043) X
1,2,3,6,7,8-HxCDD	NA	ND(0.0000036)	ND(0.0000077)	ND(0.000029)	NR	0.00000057 J
1,2,3,7,8,9-HxCDD	NA	ND(0.0000054)	ND(0.0000085)	ND(0.0000035)	NR	0.00000093 J
HxCDDs (total)	NA	0.000038	ND(0.000022)	0.0000087	ND(0.000094)	0.0000043
1,2,3,4,6,7,8-HpCDD	NA	0.000031	0.000075 J	0.000041	NR	0.0000029 J
HpCDDs (total)	NA	0.000061	0.000014	0.000077	ND(0.00011)	0.0000059
OCDD	NA	0.00019	0.000063	0.00044	ND(0.00015)	0.000011
Total TEQs (WHO TEFs)	NA	0.000022	0.0000017	0.000014	NC	0.0000030
Inorganics						
Aluminum	NA	NA	NA	NA	3410	NA
Antimony	0.420 B [0.590 B]	0.340 BN	0.290 BN	0.330 BN	ND(3.70) N	ND(0.970)
Arsenic	2.30 [3.00]	6.90 N*	5.40 N*	3.20 N*	5.20 N	4.70
Barium	26.3 [36.6]	58.2	29.0	33.7	11.6 B	58.3
Beryllium	0.180 B [0.280 B]	0.460 B	0.240 B	0.270 B	ND(0.110)	0.390
Cadmium	0.290 B [0.400 B]	1.20	0.660	0.480 B	ND(0.450)	0.660
Calcium	NA	NA	NA	NA	23300 E*	NA
Chromium	13.1 [21.6]	15.0	8.70	9.00	4.10	14.5
Cobalt	5.40 [8.00]	12.5 E	9.40 E	7.70 E	4.40 B	10.3
Copper	31.4 [42.7]	35.9	25.3	19.2	9.40 *	21.9
Cyanide	NA	ND(0.590) N	ND(0.570) N	ND(0.630) N	ND(0.580)	ND(1.30)
Iron	NA	NA	NA	NA	9120 E	NA
Lead	43.8 [66.3]	54.7 EN*	58.4 EN*	34.8 EN*	1.60	11.4
Magnesium	NA	NA	NA	NA	10900 *	NA
Manganese	NA	NA	NA	NA	250	NA
Mercury	ND(0.100) N [ND(0.230) N]	ND(0.120)	ND(0.110)	ND(0.130)	ND(0.120) N*	ND(0.260)
Nickel	11.8 [19.1]	24.1 E	16.5 E	15.0 E	8.40	19.9
Potassium	NA	NA	NA	NA	297 B	NA
Selenium	0.540 N [0.680 BN]	ND(0.360) N	0.460 BN	0.560 BN	ND(0.910) WN	ND(0.970)
Sodium	NA	NA	NA	NA	93.7 B	NA
Sulfide	NA	NA	NA	NA	ND(11.6)	ND(6.50)
Tin	2.20 B [3.10 B]	4.50 B	2.60 B	3.30 B	NA	ND(58.3)
Vanadium	21.9 [32.4]	23.9 E	14.6 E	18.7 E	3.80 B	17.0
Zinc	217 [312]	122 E	74.2 E	75.8 E	30.0 E	59.0

TABLE 4
HISTORICAL SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY- PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID:	OPCA-4	OPCA-6	OPCA-8	RAA9-1	RAA9-1	RAA9-2
Sample ID:	OPCA-4	OPCA-6	OPCA-8	RAA9-1	RAA9-1	RAA9-2
Sample Depth(Feet):	0-1	0-1	0-1	6-15	7.5-8	1-6
Parameter	Date Collected:	05/26/99	05/26/99	05/26/99	08/01/02	08/02/02
Volatile Organics						
1,1,1-Trichloroethane	ND(0.16)	ND(0.18)	ND(0.19) [ND(0.18)]	NA	ND(0.0057)	NA
1,2-Dibromo-3-chloropropane	ND(0.16)	ND(0.18)	ND(0.19) [ND(0.18)]	NA	ND(0.0057)	NA
Acetone	ND(3.3)	ND(3.6)	ND(3.9) [ND(3.7)]	NA	ND(0.023)	NA
Acetonitrile	ND(3.3)	ND(3.6)	ND(3.9) [ND(3.7)]	NA	ND(0.11)	NA
Chlorobenzene	ND(0.16)	ND(0.18)	ND(0.19) [ND(0.18)]	NA	ND(0.0057)	NA
Methylene Chloride	ND(0.16)	ND(0.18)	ND(0.19) [ND(0.18)]	NA	ND(0.0057)	NA
Toluene	ND(0.16)	ND(0.18)	ND(0.19) [ND(0.18)]	NA	ND(0.0057)	NA
Trichlorofluoromethane	ND(0.16)	ND(0.18)	ND(0.19) [ND(0.18)]	NA	ND(0.0057)	NA
Semivolatile Organics						
1,2,4,5-Tetrachlorobenzene	ND(0.49)	ND(0.43)	ND(0.41) [ND(0.40)]	0.17 J	NA	ND(0.36)
1,2,4-Trichlorobenzene	ND(0.49)	ND(0.43)	ND(0.41) [ND(0.40)]	0.40	NA	ND(0.36)
1,4-Dichlorobenzene	ND(0.49)	ND(0.43)	ND(0.41) [ND(0.40)]	0.15 J	NA	ND(0.36)
1-Methylnaphthalene	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	ND(0.49)	ND(0.43)	ND(0.41) [ND(0.40)]	0.34 J	NA	ND(0.36)
3-Methylcholanthrene	ND(0.98)	ND(0.86)	ND(0.82) [ND(0.80)]	ND(0.74)	NA	0.31 J
Acenaphthene	ND(0.49)	ND(0.43)	ND(0.41) [ND(0.40)]	1.4	NA	ND(0.36)
Acenaphthylene	ND(0.49)	ND(0.43)	ND(0.41) [ND(0.40)]	0.27 J	NA	ND(0.36)
Aniline	ND(0.49)	0.82	ND(0.41) [ND(0.40)]	ND(0.37)	NA	ND(0.36)
Anthracene	ND(0.49)	ND(0.43)	ND(0.41) [ND(0.40)]	4.0	NA	ND(0.36)
Benz(a)anthracene	ND(0.49)	ND(0.43)	ND(0.41) [ND(0.40)]	6.8	NA	ND(0.36)
Benzo(a)pyrene	ND(0.49)	ND(0.43)	ND(0.41) [ND(0.40)]	6.1	NA	ND(0.36)
Benzo(b)fluoranthene	ND(0.49)	ND(0.43)	ND(0.41) [ND(0.40)]	6.9	NA	ND(0.36)
Benzo(g,h,i)perylene	ND(0.49)	ND(0.43)	ND(0.41) [ND(0.40)]	4.1	NA	ND(0.36)
Benzo(k)fluoranthene	ND(0.49)	ND(0.43)	ND(0.41) [ND(0.40)]	5.9	NA	ND(0.36)
Benzoic Acid	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ND(0.49)	ND(0.43)	ND(0.41) [ND(0.40)]	0.51	NA	ND(0.36)
Butylbenzylphthalate	ND(0.98)	ND(0.86)	ND(0.82) [ND(0.80)]	ND(0.37)	NA	ND(0.36)
Chrysene	ND(0.49)	ND(0.43)	ND(0.41) [ND(0.40)]	7.5	NA	ND(0.36)
Dibenzo(a,h)anthracene	ND(0.98)	ND(0.86)	ND(0.82) [ND(0.80)]	1.2	NA	ND(0.36)
Dibenzofuran	ND(0.49)	ND(0.43)	ND(0.41) [ND(0.40)]	1.3	NA	ND(0.36)
Dimethylphthalate	ND(0.49)	ND(0.43)	ND(0.41) [ND(0.40)]	ND(0.37)	NA	ND(0.36)
Di-n-Octylphthalate	ND(0.49)	ND(0.43)	ND(0.41) [ND(0.40)]	ND(0.37)	NA	ND(0.36)
Fluoranthene	ND(0.49)	ND(0.43)	ND(0.41) [ND(0.40)]	18	NA	ND(0.36)
Fluorene	ND(0.49)	ND(0.43)	ND(0.41) [ND(0.40)]	2.1	NA	ND(0.36)
Indeno(1,2,3-cd)pyrene	ND(0.98)	ND(0.86)	ND(0.82) [ND(0.80)]	3.8	NA	ND(0.36)
Naphthalene	ND(0.49)	ND(0.43)	ND(0.41) [ND(0.40)]	1.1	NA	ND(0.36)
Phenanthrene	ND(0.49)	ND(0.43)	ND(0.41) [ND(0.40)]	17	NA	ND(0.36)
Pyrene	ND(0.49)	ND(0.43)	ND(0.41) [ND(0.40)]	26	NA	ND(0.36)
Total Phenols	NA	NA	NA	NA	NA	NA
Organochlorine Pesticides						
Alpha-BHC	NA	NA	NA	NA	NA	NA
Delta-BHC	NA	NA	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA	NA	NA
Organophosphate Pesticides						
None Detected	NA	NA	NA	NA	NA	NA
Herbicides						
None Detected	NA	NA	NA	NA	NA	NA
Furans						
2,3,7,8-TCDF	0.0000061	0.000010	0.0000088 [ND(0.0000031) X]	0.00042 Y	NA	0.00000042 J
TCDFs (total)	0.000095	0.00014	0.00076 [0.00025]	0.0035	NA	0.0000022
1,2,3,7,8-PeCDF	ND(0.0000014) X	0.0000021	0.0000015 [ND(0.0000018) X]	0.00016	NA	0.00000026 J
2,3,4,7,8-PeCDF	0.0000025	0.0000030	0.0000037 [ND(0.0000060) X]	0.0012	NA	0.00000072 J
PeCDFs (total)	0.000069	0.00015	0.0012 [0.00065]	0.016 QI	NA	0.00000078
1,2,3,4,7,8-HxCDF	0.0000028 J	0.0000063	0.0000097 [0.0000086]	0.0019	NA	0.00000027
1,2,3,6,7,8-HxCDF	0.0000045	0.000011	0.000064 [0.000055]	0.00079	NA	0.00000011 J
1,2,3,7,8,9-HxCDF	0.00000021 J	ND(0.00000025) X	0.00000025 J [ND(0.00000073) X]	0.00046	NA	0.00000064 J
2,3,4,6,7,8-HxCDF	0.0000022 J	0.0000025 J	0.000012 [0.000013]	0.0026	NA	0.00000015 J
HxCDFs (total)	0.000043	0.000094	0.00082 [0.00060]	0.036 I	NA	0.000020
1,2,3,4,6,7,8-HpCDF	0.000011	0.000011	0.000063 [0.000039]	0.0058	NA	0.00000056
1,2,3,4,7,8,9-HpCDF	0.0000017 J	0.0000018 J	0.0000030 [ND(0.0000021) X]	0.0020	NA	0.00000018 J
HpCDFs (total)	0.000022	0.000019	0.00014 [0.000039]	0.017	NA	0.00000013
OCDF	0.000011	0.0000055 J	0.000014 [0.000015]	0.022	NA	0.00000064

TABLE 4
HISTORICAL SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY- PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	OPCA-4 OPCA-4 0-1 05/26/99	OPCA-6 OPCA-6 0-1 05/26/99	OPCA-8 OPCA-8 0-1 05/26/99	RAA9-1 RAA9-1 6-15 08/01/02	RAA9-1 RAA9-1 7.5-8 08/01/02	RAA9-2 RAA9-2 1-6 08/02/02
Dioxins							
2,3,7,8-TCDD	ND(0.00000023) X	ND(0.00000041) X	ND(0.00000046) X [0.0000020]	0.000012	NA	ND(0.00000023)	
TCDDs (total)	0.0000018	0.0000014	0.0000017 [0.0000020]	0.000098	NA	ND(0.00000028)	
1,2,3,7,8-PeCDD	ND(0.00000073) X	0.00000079 J	0.0000011 J [ND(0.0000012) X]	0.000075	NA	ND(0.00000016) X	
PeCDDs (total)	ND(0.0000037)	0.00000079	0.0000042 [ND(0.0000034)]	0.00046 Q	NA	0.00000056	
1,2,3,4,7,8-HxCDD	0.00000066 J	ND(0.00000089) X	0.0000013 J [ND(0.0000019) X]	0.00013	NA	ND(0.00000026) X	
1,2,3,6,7,8-HxCDD	0.00000097 J	0.0000012 J	0.0000019 J [ND(0.0000023) X]	0.00012	NA	ND(0.00000031)	
1,2,3,7,8,9-HxCDD	0.0000012 J	ND(0.0000014) X	0.0000020 J [ND(0.0000027) X]	0.000096	NA	ND(0.00000026)	
HxCDDs (total)	0.0000076	0.0000068	0.000015 [ND(0.0000084)]	0.0015	NA	0.00000076	
1,2,3,4,6,7,8-HpCDD	0.0000075	0.0000078	0.000015 [0.000011]	0.0014	NA	0.00000030	
HpCDDs (total)	0.000014	0.000015	0.000031 [0.000011]	0.0028	NA	0.00000030	
OCDD	0.000059	0.000039	0.00011 [0.000077]	0.015	NA	0.000024	
Total TEQs (WHO TEFs)	0.0000038	0.0000061	0.000014 [0.000013]	0.0014	NA	0.0000014	
Inorganics							
Aluminum	NA	NA	NA	NA	NA	NA	
Antimony	ND(0.880)	ND(0.880)	ND(0.850) [ND(0.840)]	ND(6.00)	NA	ND(6.00)	
Arsenic	4.30	5.50	5.60 [5.70]	13.0	NA	3.40	
Barium	30.7	28.9	24.0 [33.9]	47.0	NA	21.0	
Beryllium	0.270	0.360	0.220 [0.240]	ND(0.500)	NA	ND(0.500)	
Cadmium	0.390	0.370	0.480 [0.450]	ND(0.500)	NA	ND(0.500)	
Calcium	NA	NA	NA	NA	NA	NA	
Chromium	6.40	9.40	6.60 [6.50]	15.0	NA	6.40	
Cobalt	7.10	10.1	8.30 [8.00]	8.30	NA	5.60	
Copper	14.0	16.4	13.5 [14.5]	230	NA	12.0	
Cyanide	ND(1.20)	ND(1.20)	ND(1.10) [ND(1.10)]	1.10	NA	ND(0.110)	
Iron	NA	NA	NA	NA	NA	NA	
Lead	12.1	15.4	20.1 [20.6]	1400	NA	5.50	
Magnesium	NA	NA	NA	NA	NA	NA	
Manganese	NA	NA	NA	NA	NA	NA	
Mercury	ND(0.240)	ND(0.240)	ND(0.230) [ND(0.220)]	0.250	NA	ND(0.110)	
Nickel	11.7	17.2	10.8 [12.4]	15.0	NA	10.0	
Potassium	NA	NA	NA	NA	NA	NA	
Selenium	ND(0.880)	ND(0.880)	ND(0.850) [ND(0.840)]	ND(1.00)	NA	ND(1.00)	
Sodium	NA	NA	NA	NA	NA	NA	
Sulfide	9.40	9.40	9.10 [7.20]	65.0	NA	8.60	
Tin	ND(53.0)	ND(53.1)	ND(51.2) [ND(50.3)]	16.0	NA	3.20 B	
Vanadium	7.70	10.8	10.0 [10.8]	8.70	NA	6.30	
Zinc	44.2	59.2	42.9 [41.2]	110	NA	34.0	

TABLE 4
HISTORICAL SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY- PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID:	RAA9-2	S2	SE-1	SE-1	SE-2	SE-2
Sample ID:	RAA9-2	S2	Hill 78SE1	PHS1S	Hill 78SE2	PHS2S
Sample Depth(Feet):	3-4	0-0.9	0-1	0-1	0-1	0-1
Parameter	Date Collected:	08/02/02	09/11/96	05/10/91	09/23/91	05/10/91
Volatile Organics						
1,1,1-Trichloroethane	ND(0.0054)	ND(0.032)	ND(0.0060)	NA	ND(0.0060)	NA
1,2-Dibromo-3-chloropropane	ND(0.0054)	ND(0.079)	ND(0.012)	NA	ND(0.012)	NA
Acetone	ND(0.022)	ND(0.14)	0.033 B	NA	0.034 B	NA
Acetonitrile	ND(0.11)	0.026 JB	NA	NA	NA	NA
Chlorobenzene	ND(0.0054)	0.0030 J	ND(0.0060)	NA	ND(0.0060)	NA
Methylene Chloride	ND(0.0054)	0.017 JB	0.10 B	NA	0.045 B	NA
Toluene	ND(0.0054)	ND(0.024)	ND(0.0060)	NA	ND(0.0060)	NA
Trichlorofluoromethane	ND(0.0054)	0.0020 J	ND(0.0060)	NA	ND(0.0060)	NA
Semivolatile Organics						
1,2,4,5-Tetrachlorobenzene	NA	ND(2.0)	ND(0.41)	NA	ND(24)	NA
1,2,4-Trichlorobenzene	NA	ND(0.86)	ND(0.41)	NA	ND(24)	NA
1,4-Dichlorobenzene	NA	ND(0.81)	ND(0.41)	NA	ND(24)	NA
1-Methylnaphthalene	NA	0.23 J	0.16 J	NA	ND(24)	NA
2-Methylnaphthalene	NA	0.26 J	0.065 J	NA	ND(24)	NA
3-Methylcholanthrene	NA	ND(0.96)	ND(0.41)	NA	ND(24)	NA
Acenaphthene	NA	1.5	0.31 J	NA	ND(24)	NA
Acenaphthylene	NA	0.10 J	0.21 J	NA	2.6 J	NA
Aniline	NA	ND(0.88)	ND(0.41)	NA	ND(24)	NA
Anthracene	NA	3.2 D	0.55	NA	2.9 J	NA
Benz(a)anthracene	NA	6.5 D	2.4	NA	14 J	NA
Benzo(a)pyrene	NA	5.0 D	1.9	NA	14 J	NA
Benzo(b)fluoranthene	NA	8.7 DX	4.0 X	NA	36 X	NA
Benzo(g,h,i)perylene	NA	2.7 D	0.85	NA	13 J	NA
Benzo(k)fluoranthene	NA	8.9 DX	4.0 X	NA	36 X	NA
Benzoic Acid	NA	0.085 J	ND(4.1)	NA	ND(240)	NA
bis(2-Ethylhexyl)phthalate	NA	0.13 J	0.25 J	NA	ND(24)	NA
Butylbenzylphthalate	NA	ND(1.1)	0.056 J	NA	ND(24)	NA
Chrysene	NA	6.4 D	2.5	NA	24 J	NA
Dibenzo(a,h)anthracene	NA	0.27 J	0.40 J	NA	5.2 J	NA
Dibenzofuran	NA	1.2	0.26 J	NA	ND(24)	NA
Dimethylphthalate	NA	0.72 J	ND(0.41)	NA	ND(24)	NA
Di-n-Octylphthalate	NA	ND(0.75)	ND(0.41)	NA	ND(24)	NA
Fluoranthene	NA	16 D	5.1	NA	38	NA
Fluorene	NA	2.8 D	0.66	NA	4.0 J	NA
Indeno(1,2,3-cd)pyrene	NA	2.1 D	0.78	NA	11 J	NA
Naphthalene	NA	0.50 J	0.12 J	NA	ND(24)	NA
Phenanthrene	NA	16 D	5.3	NA	24 J	NA
Pyrene	NA	15 D	4.0	NA	28	NA
Total Phenols	NA	NA	NA	0.12 [0.18]	NA	ND(0.11)
Organochlorine Pesticides						
Alpha-BHC	NA	NA	NA	ND(0.0012) [ND(0.0013)]	NA	0.0012
Delta-BHC	NA	NA	NA	ND(0.0012) [0.027]	NA	ND(0.0011)
Endosulfan I	NA	NA	NA	ND(0.0018) [0.11]	NA	ND(0.0017)
Organophosphate Pesticides						
None Detected	NA	NA	NA	--	NA	--
Herbicides						
None Detected	NA	NA	NA	--	NA	--
Furans						
2,3,7,8-TCDF	NA	NA	NA	ND(0.000045) [ND(0.000061)]	NA	ND(0.000037)
TCDFs (total)	NA	NA	NA	ND(0.000069) [ND(0.00012)]	NA	ND(0.000059)
1,2,3,7,8-PeCDF	NA	NA	NA	NR [NR]	NA	NR
2,3,4,7,8-PeCDF	NA	NA	NA	NR [NR]	NA	NR
PeCDFs (total)	NA	NA	NA	ND(0.000033) [ND(0.00013)]	NA	ND(0.000036)
1,2,3,4,7,8-HxCDF	NA	NA	NA	NR [NR]	NA	NR
1,2,3,6,7,8-HxCDF	NA	NA	NA	NR [NR]	NA	NR
1,2,3,7,8,9-HxCDF	NA	NA	NA	NR [NR]	NA	NR
2,3,4,6,7,8-HxCDF	NA	NA	NA	NR [NR]	NA	NR
HxCDFs (total)	NA	NA	NA	ND(0.000094) [ND(0.00011)]	NA	ND(0.000043)
1,2,3,4,6,7,8-HpCDF	NA	NA	NA	NR [NR]	NA	NR
1,2,3,4,7,8,9-HpCDF	NA	NA	NA	NR [NR]	NA	NR
HpCDFs (total)	NA	NA	NA	ND(0.000054) [ND(0.000073)]	NA	ND(0.000047)
OCDF	NA	NA	NA	ND(0.00011) [ND(0.00011)]	NA	ND(0.000070)

TABLE 4
HISTORICAL SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY- PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	RAA9-2 3-4 08/02/02	S2 S2 0-0.9 09/11/96	SE-1 Hill 78SE1 0-1 05/10/91	SE-1 PHS1S 0-1 09/23/91	SE-2 Hill 78SE2 0-1 05/10/91	SE-2 PHS2S 0-1 09/23/91
Dioxins							
2,3,7,8-TCDD	NA	NA	NA	ND(0.000051) [ND(0.000049)]	NA	ND(0.000061)	
TCDDs (total)	NA	NA	NA	ND(0.000051) [ND(0.000049)]	NA	ND(0.000061)	
1,2,3,7,8-PeCDD	NA	NA	NA	NR [NR]	NA	NR	
PeCDDs (total)	NA	NA	NA	ND(0.000047) [ND(0.000053)]	NA	ND(0.000055)	
1,2,3,4,7,8-HxCDD	NA	NA	NA	NR [NR]	NA	NR	
1,2,3,6,7,8-HxCDD	NA	NA	NA	NR [NR]	NA	NR	
1,2,3,7,8,9-HxCDD	NA	NA	NA	NR [NR]	NA	NR	
HxCDDs (total)	NA	NA	NA	ND(0.000059) [ND(0.000069)]	NA	ND(0.000062)	
1,2,3,4,6,7,8-HpCDD	NA	NA	NA	NR [NR]	NA	NR	
HpCDDs (total)	NA	NA	NA	ND(0.000057) [ND(0.000073)]	NA	ND(0.000070)	
OCDD	NA	NA	NA	ND(0.000093) [ND(0.00011)]	NA	ND(0.000065)	
Total TEQs (WHO TEFs)	NA	NA	NA	NC [NC]	NA	NC	
Inorganics							
Aluminum	NA	NA	NA	6660 * [5330 *]	NA	7180 *	
Antimony	NA	0.410 B	NA	ND(3.80) N [ND(4.20) N]	NA	ND(3.60) N	
Arsenic	NA	4.90	NA	4.90 [1.40]	NA	5.50 A	
Barium	NA	36.2	NA	13.3 B [20.7 B]	NA	22.8	
Beryllium	NA	0.300 B	NA	0.150 B [0.270 B]	NA	0.220 B	
Cadmium	NA	ND(0.0790)	NA	ND(0.470) [ND(0.500)]	NA	ND(0.440)	
Calcium	NA	NA	NA	9300 E [14200 E]	NA	8680 E	
Chromium	NA	10.0	NA	21.5 N* [8.00 N*]	NA	9.10 N*	
Cobalt	NA	8.30	NA	6.90 [11.0]	NA	10.9	
Copper	NA	23.5	NA	20.5 [22.2]	NA	77.2	
Cyanide	NA	NA	NA	ND(0.590) [ND(0.640)]	NA	ND(0.560)	
Iron	NA	NA	NA	23300 E [21900 E]	NA	24400 E	
Lead	NA	25.1	NA	124 N* [76.1 N*]	NA	37.1 N*	
Magnesium	NA	NA	NA	6250 E* [7830 E*]	NA	4860 E*	
Manganese	NA	NA	NA	345 NE* [356 NE*]	NA	423 NE*	
Mercury	NA	ND(0.250) N	NA	ND(0.110) N [ND(0.130) N]	NA	ND(0.100) N	
Nickel	NA	20.2	NA	12.7 [16.7]	NA	15.5	
Potassium	NA	NA	NA	267 B [297 B]	NA	0.451 B	
Selenium	NA	0.760 BN	NA	ND(0.940) N [ND(0.500) N]	NA	ND(0.880) N	
Sodium	NA	NA	NA	82.3 B [78.2 B]	NA	92.6 B	
Sulfide	NA	NA	NA	ND(11.8) [ND(12.8)]	NA	ND(11.2)	
Tin	NA	2.60 B	NA	NA	NA	NA	
Vanadium	NA	23.6	NA	14.8 [16.3]	NA	15.9	
Zinc	NA	96.6	NA	90.0 E [105 E]	NA	109 E	

TABLE 4
HISTORICAL SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE HILL 78 AREA-REMAINDER REMOVAL ACTION
GENERAL ELECTRIC COMPANY- PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Notes:

1. Samples were collected and analyzed by General Electric Company subcontractors for Appendix IX + 3 constituents.
2. NA - Not Analyzed - Laboratory did not report results for this analyte.
3. NC - Not Calculated - Insufficient data to calculate TEQ.
4. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
5. NR - Not Reported. Data for this parameter group was entered from summary data tables and not the laboratory report form.
6. With the exception of dioxin/furans, only those constituents detected in one or more samples are summarized.
7. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.
8. Field duplicate sample results are presented in brackets.

Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles, dioxin/furans)

- B - Analyte was also detected in the associated method blank.
D - Compound quantitated using a secondary dilution.
I - Polychlorinated Diphenyl Ether (PCDPE) Interference.
J - Indicates that the associated numerical value is an estimated concentration.
Q - Indicates the presence of quantitative interferences.
X - Estimated Maximum Possible Concentration
Y - 2,3,7,8-TCDF results have been confirmed on a DB-225 column.

Inorganics

- A - Analyte determination by the method of standard additions (MSA).
B - Indicates an estimated value between the instrument detection limit (IDL) and practical quantitation limit (PQL).
N - Indicates sample matrix spike analysis was outside control limits.
E - Serial dilution results not within 10%. Applicable only if analyte concentration is at least 50X the IDL in original sample.
W - GFAA Analytical spike recovery outside of range of 85% to 115% in a sample which exhibits a low concentration of analyte.
Unspiked response must be < 50% of spiked sample response.
* - Indicates laboratory duplicate analysis was outside control limits.

Figures



LEGEND:

- HILL 78 AREA-REMAINDER
- APPROXIMATE REMOVAL ACTION AREA BOUNDARY
- HILL 78 AND BUILDING 71 CONSOLIDATION AREAS (NOT PART OF HILL 78 AREA-REMAINDER RAA)
- BUILDING/STRUCTURE
- PROPERTY LINE

NOTES:

1. MAPPING IS BASED ON AERIAL PHOTOGRAPHS AND PHOTGRAMMETRIC MAPPING BY LOCKWOOD MAPPING, INC. – FLOWN IN APRIL 1990; DATA PROVIDED BY GENERAL ELECTRIC COMPANY; AND BLASLAND AND BOUCK ENGINEERS, P.C. CONSTRUCTION PLANS.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. SITE BOUNDARIES ARE APPROXIMATE.

0 1000' 2000'
APPROXIMATE SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
PRE-DESIGN INVESTIGATION REPORT FOR
HILL 78 AREA-REMAINDER

SITE LOCATION MAP

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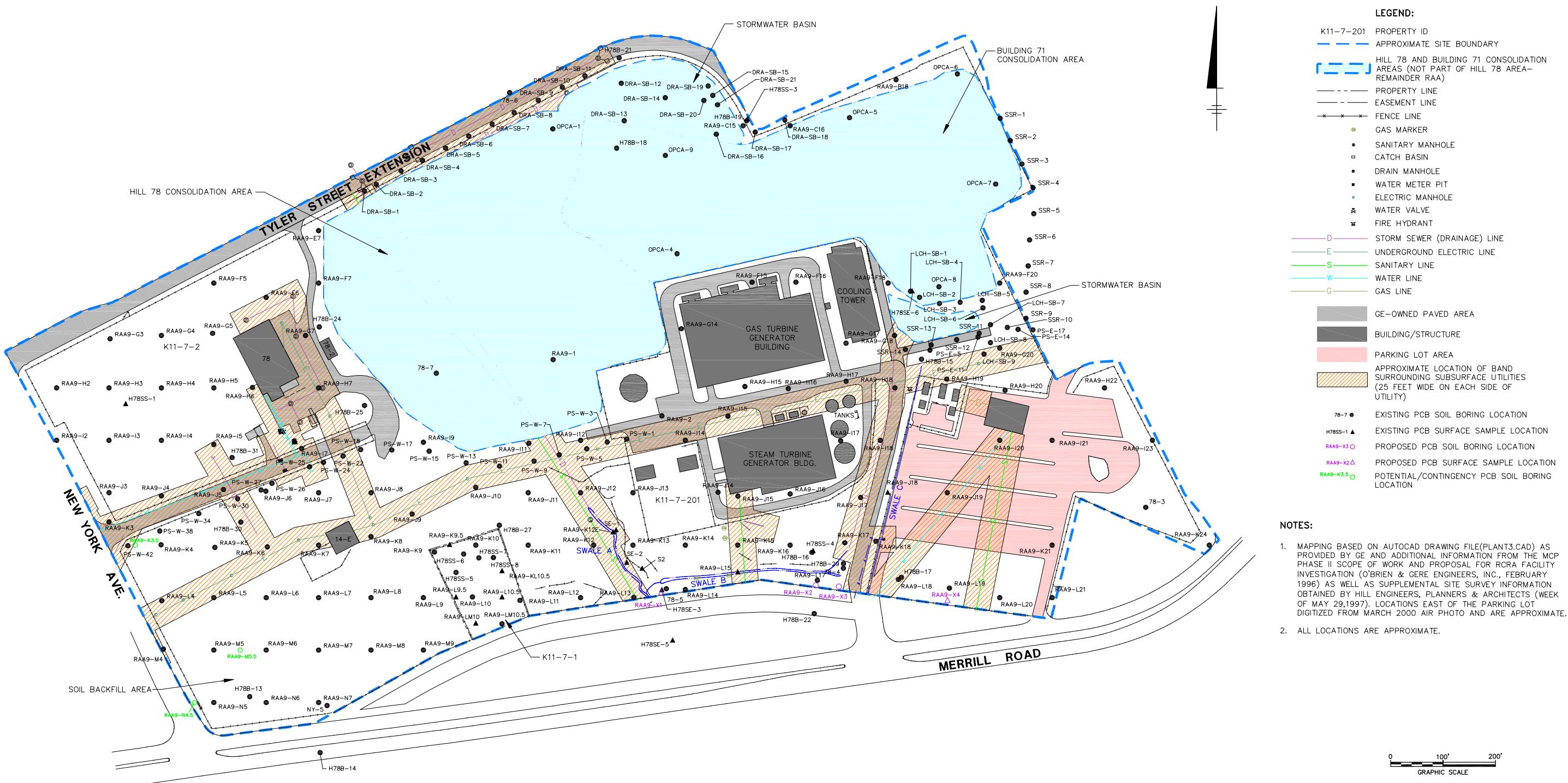
FIGURE
1

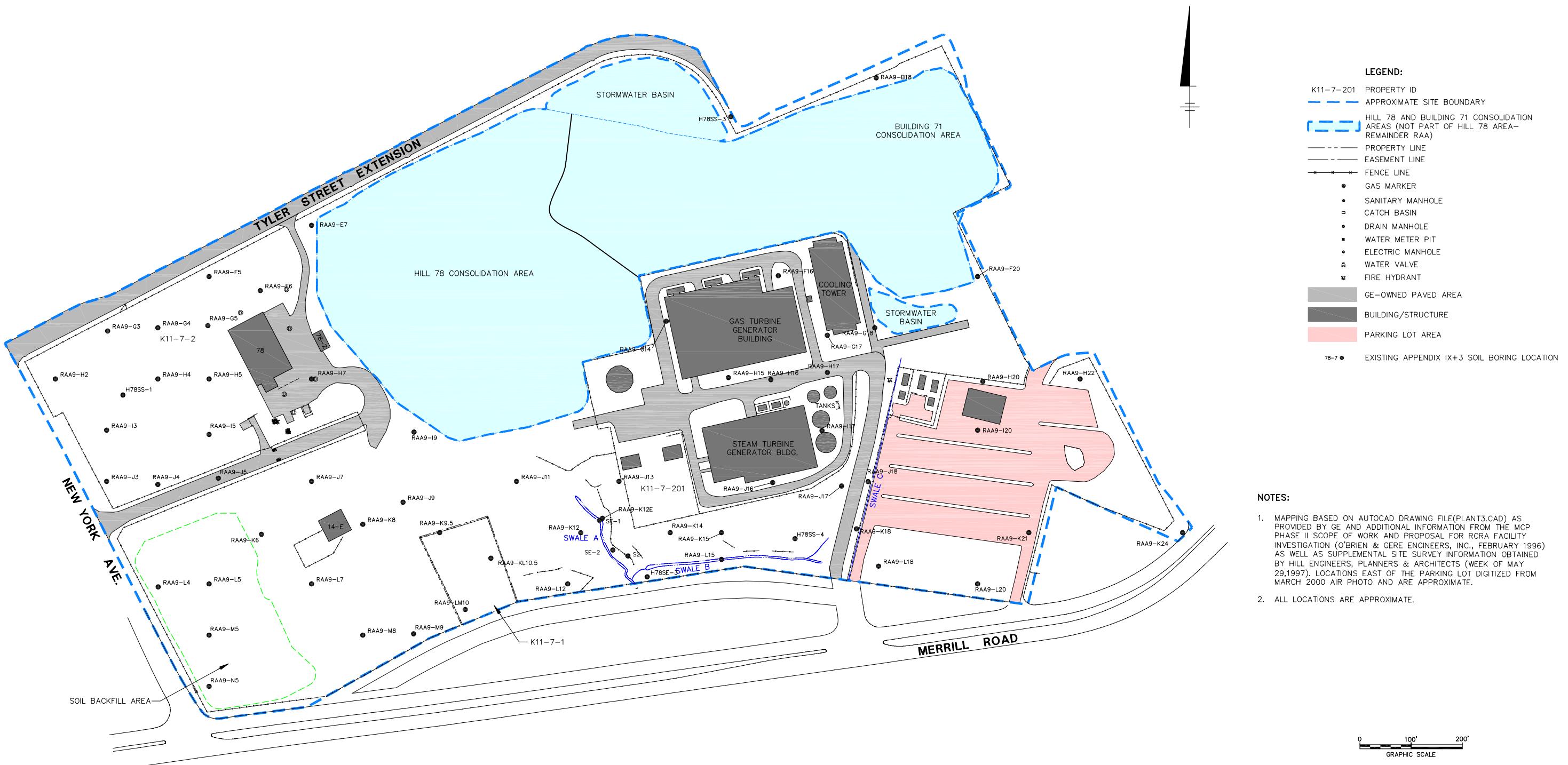


GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
PRE-DESIGN INVESTIGATION REPORT
FOR HILL 78 AREA—REMAINDER

SITE MAP

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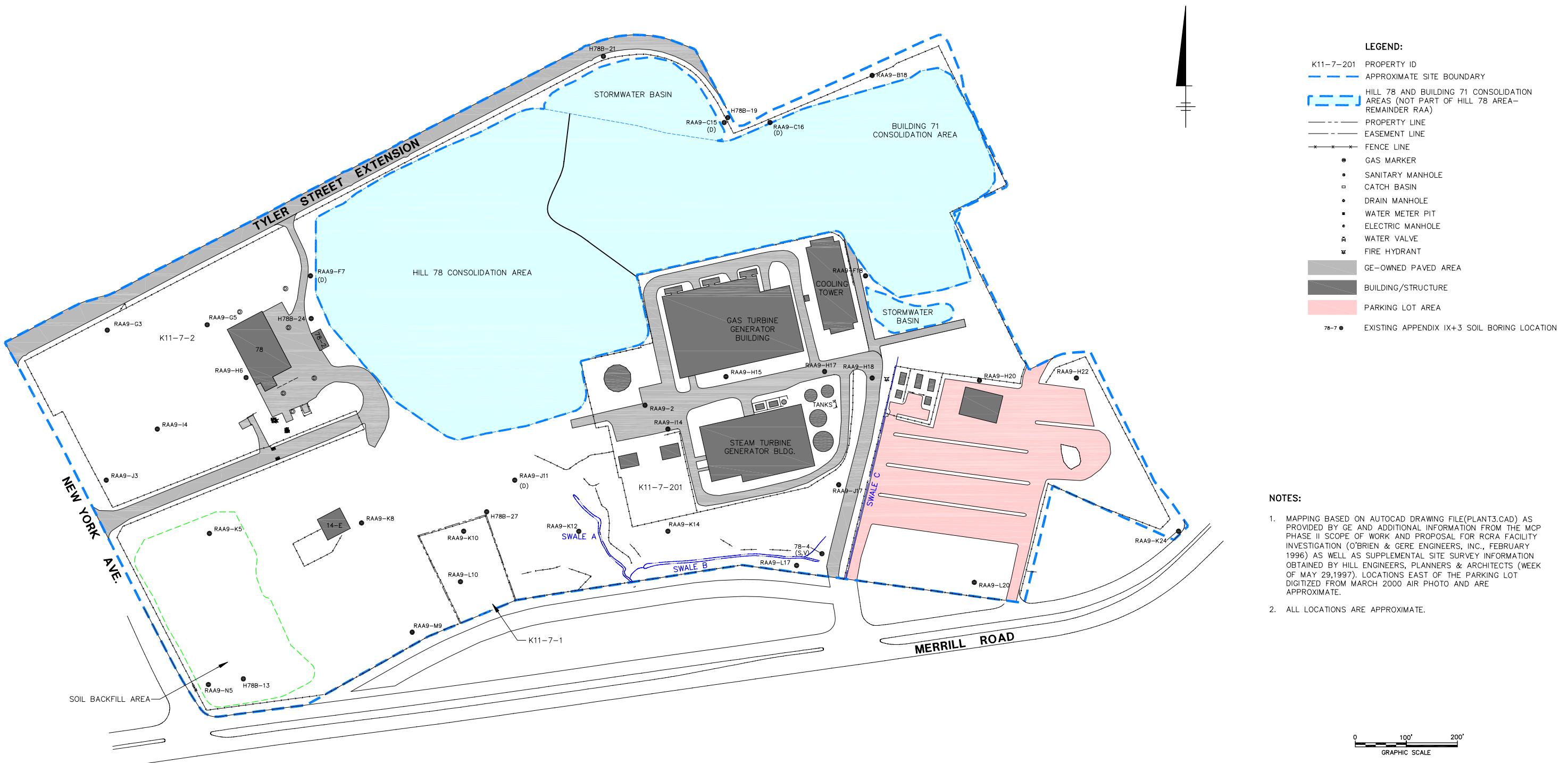




GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
**PRE-DESIGN INVESTIGATION REPORT
FOR HILL 78 AREA-REMAINDER**
**EXISTING APPENDIX IX+3
CHARACTERIZATION SAMPLE LOCATIONS
(0- TO 1-FOOT DEPTH)**

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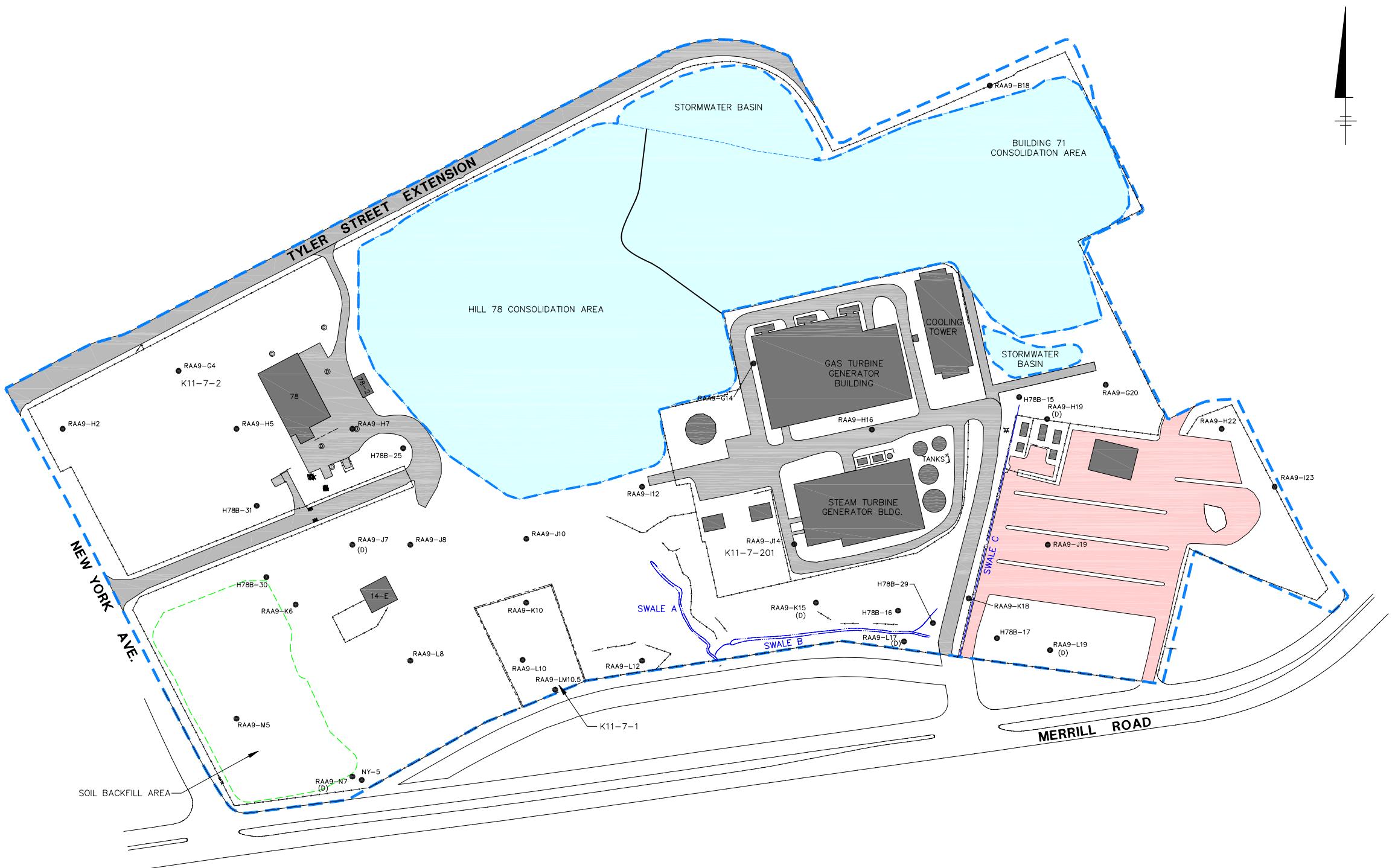
FIGURE
4



GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
**PRE-DESIGN INVESTIGATION REPORT
FOR HILL 78 AREA—REMAINDER**
**EXISTING APPENDIX IX+3
CHARACTERIZATION SAMPLE LOCATIONS
(1- TO 6-FOOT DEPTH)**

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FIGURE
5



LEGEND:

K11-7-201	PROPERTY ID
- - -	APPROXIMATE SITE BOUNDARY
- - -	HILL 78 AND BUILDING 71 CONSOLIDATION AREAS (NOT PART OF HILL 78 AREA-REMAINDER RAA)
- - -	PROPERTY LINE
- - -	EASEMENT LINE
* * *	FENCE LINE
●	GAS MARKER
●	SANITARY MANHOLE
□	CATCH BASIN
●	DRAIN MANHOLE
■	WATER METER PIT
●	ELECTRIC MANHOLE
▲	WATER VALVE
✖	FIRE HYDRANT
■ ■ ■	GE-OWNED PAVED AREA
■ ■ ■	BUILDING/STRUCTURE
■ ■ ■	PARKING LOT AREA
78-7 ●	EXISTING APPENDIX IX+3 SOIL BORING LOCATION
(D)	DIOXIN/ FURAN

NOTES:

1. MAPPING BASED ON AUTOCAD DRAWING FILE(PLANT3.CAD) AS PROVIDED BY GE AND ADDITIONAL INFORMATION FROM THE MCP PHASE II SCOPE OF WORK AND PROPOSAL FOR RCRA FACILITY INVESTIGATION (O'BRIEN & GERE ENGINEERS, INC., FEBRUARY 1996) AS WELL AS SUPPLEMENTAL SITE SURVEY INFORMATION OBTAINED BY HILL ENGINEERS, PLANNERS & ARCHITECTS (WEEK OF MAY 29,1997). LOCATIONS EAST OF THE PARKING LOT DIGITIZED FROM MARCH 2000 AIR PHOTO AND ARE APPROXIMATE.
2. ALL LOCATIONS ARE APPROXIMATE.

0 100' 200'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
PRE-DESIGN INVESTIGATION REPORT
FOR HILL 78 AREA-REMAINDER

EXISTING APPENDIX IX+3
CHARACTERIZATION SAMPLE LOCATIONS
(6- TO 15-FOOT DEPTH)

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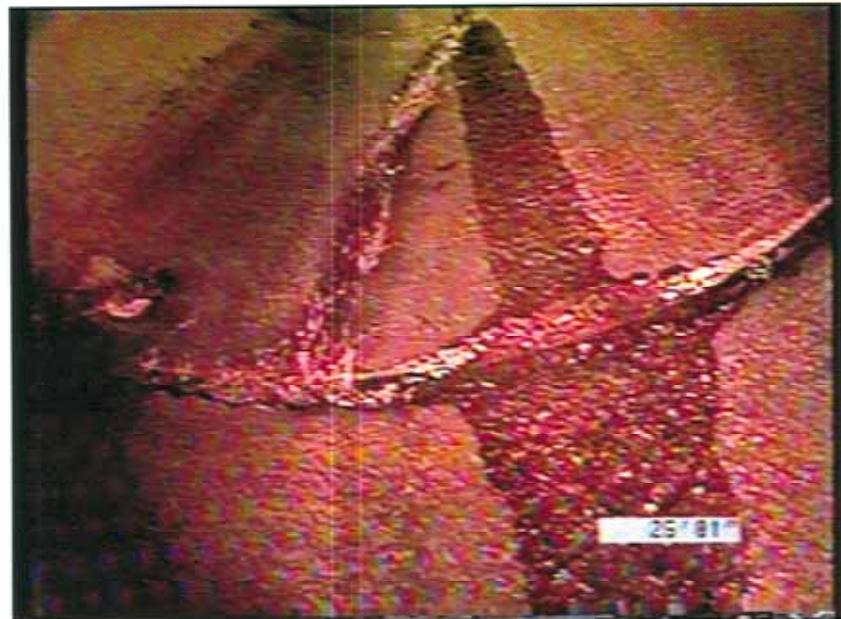
Attachment



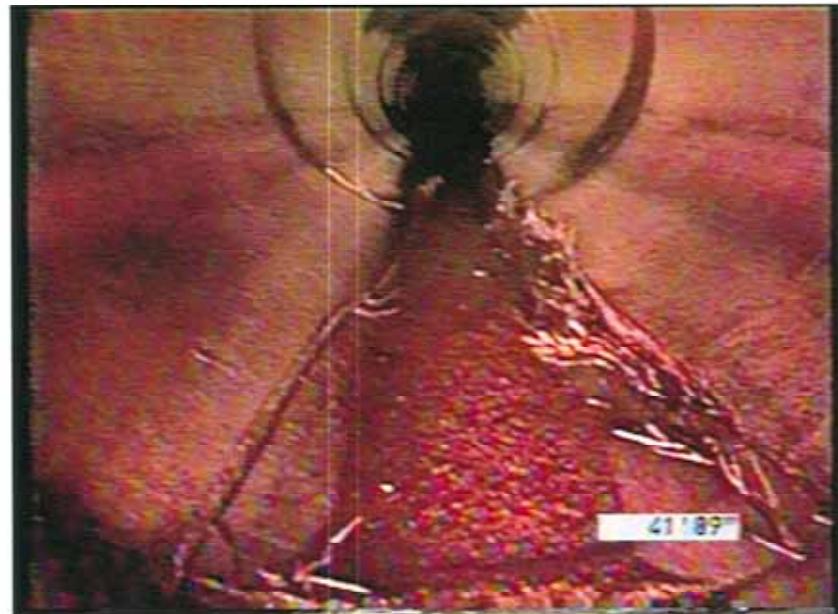
Attachment 1

Storm Sewer Video Inspection Photographs





ROOTS FINE AT JOINT

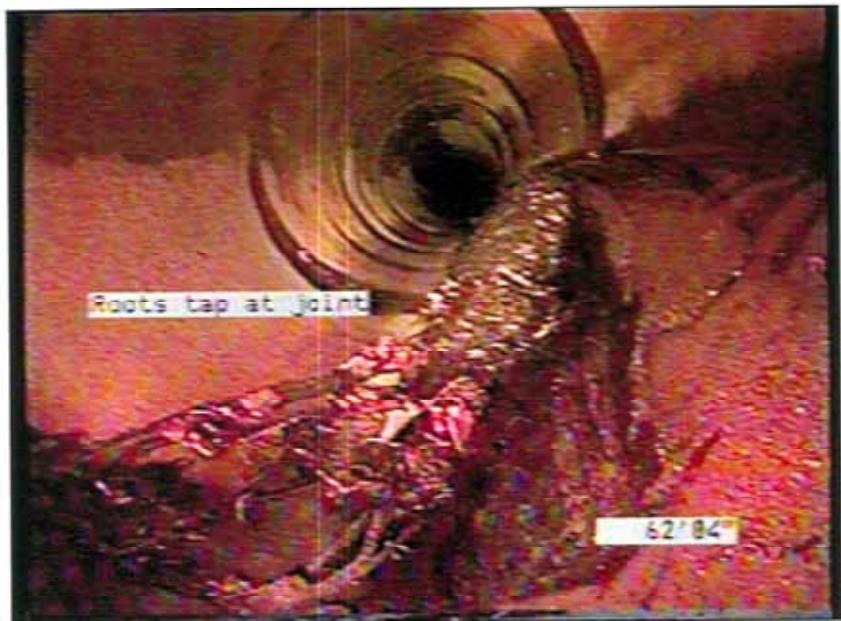


ROOTS FINE AT JOINT

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
PRE-DESIGN INVESTIGATION REPORT
FOR HILL 78 AREA-REMAINDER

STORM SEWER
VIDEO INSPECTION PHOTOGRAPHS

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ROOTS TAP AT JOINT



DEBRIS, 1% CROSS-SECTIONAL AREA LOSS

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
PRE-DESIGN INVESTIGATION REPORT
FOR HILL 78 AREA-REMAINDER

STORM SEWER
VIDEO INSPECTION PHOTOGRAPHS



DEBRIS, 5% CROSS-SECTIONAL AREA LOSS

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
PRE-DESIGN INVESTIGATION REPORT
FOR HILL 78 AREA-REMAINDER

STORM SEWER
VIDEO INSPECTION PHOTOGRAPHS

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X: 20464X05.JPG
L: ON** OFF**REF**
P: PAGESET/PLT-API
9/07/05-SYR-B5-NES
N/20464030/REPORT/20464010.DWG

FIGURE
1-C